



**CEDRONI ASSOCIATES INC.**

**General Contractors**

5639 Auburn Rd.

Utica, MI 48317

Phone (586) 254-7778

Fax (586) 254-4517

Attn: Oakland School Administrations

Re: 13-0013 Video Surveillance Systems



**ORIGINAL**

Below are the overall highlights of our proposed system

Significant reduction in overall district security operating costs

No annual per cam licensing fees

No annual VMS server licensing fees

Integrated VMS system on each QNAP 8132pro

Multi-Server integration capabilities per QNAP 8132pro

Integrated redundant array storage infrastructure per QNAP 8132pro

Thank you for reviewing our equipment proposal

Michael G. Goring

Technical Coordinator  
Cedroni Associates Inc.



# CEDRONI ASSOCIATES INC.

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Utica, MI 48317

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Below is the Bill of Material listing for this base install

## Workstation requirements-

Windows 7

Intel 3core 2.8ghz tower

4gig ram

120gig HDD

## O.S. Administration Building

Waterford, MI

Quantity 11	Onvif HDIPCAM25 Dome Cameras
Quantity 06	Onvif HDIPCAM20 Outdoor Weatherproof Cameras
Quantity 01	QNAP 8132pro VMS Appliance NVR
Quantity 01	QNAP TS-869 NAS Appliance
Quantity 02	Workstation as provided by owner

## Clawson High School

Clawson, MI

Quantity 10	Onvif HDIPCAM20 Outdoor Weatherproof Cameras
Quantity 01	QNAP 8132pro VMS Appliance NVR
Quantity 02	Workstation as provided by owner

## Royal Oak High School

Royal Oak, MI

Quantity 28	Onvif HDIPCAM25 Dome Cameras
Quantity 03	Onvif HDIPCAM20 Outdoor Weatherproof Cameras
Quantity 01	QNAP 8132pro VMS Appliance NVR
Quantity 02	Workstation as provided by owner

## South West Campus

Wixom, MI

Quantity 10	Onvif HDIPCAM25 Dome Cameras
Quantity 14	Onvif HDIPCAM20 Outdoor Weatherproof Cameras
Quantity 01	QNAP 8132pro VMS Appliance NVR
Quantity 02	Workstation as provided by owner

27" 720p LCD  
with Touch Zoom Technology

Administration  
**QNAP 8132pro**  
Waterford, MI



SW Campus  
**QNAP 8132pro**  
Wixom, MI



Royal Oak High School  
**QNAP 8132pro**  
Royal Oak, MI



Clawson High School  
**QNAP 8132pro**  
Clawson, MI



## Products

Storage

Surveillance

Enterprise & SMB

12-Bay

8-Bay

VS-8148U-RP Pro

VS-8140U-RP Pro

VS-8132U-RP Pro

VS-8124U-RP Pro

VS-8148 Pro+

VS-8140 Pro+

VS-8132 Pro+

VS-8124 Pro+

6-Bay

4-Bay

SMB & SOHO

SOHO & Home

Utility

Digital Signage

Archive

Live Demo

Compatibility

Home > Products > Surveillance > Enterprise & SMB > 8-Bay

### VS-8132 Pro+

32-channel / 8-bay / HDMI/VGA  
Local Display / Tower NVR

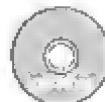


Features	Hardware Spec.	Software Spec.
Compatibility	Gallery	Datasheet
		Download

✓ VS-8132 Pro+



✓ CD-ROM



✓ Ethernet cable x 2



✓ Power cord x 1



✓ Flat head screw x 32  
(for 3.5" HDD)



✓ Flat head screw x 32  
(for 2.5" HDD)



✓ Quick Installation  
Guide



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## Products

### Storage

### Surveillance

#### Enterprise & SMB

#### 12-Bay

#### 8-Bay

[VS-8148U-RP Pro](#)  
[VS-8140U-RP Pro](#)  
[VS-8132U-RP Pro](#)  
[VS-8124U-RP Pro](#)  
[VS-8148 Pro+](#)  
[VS-8140 Pro+](#)  
[VS-8132 Pro+](#)  
[VS-8124 Pro+](#)

#### 6-Bay

#### 4-Bay

#### SMB & SOHO

#### SOHO & Home

#### Utility

### Digital Signage

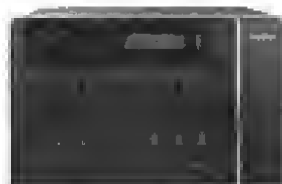
### Archive

### Live Demo

### Compatibility

## VS-8132 Pro+

32-channel / 8-bay / HDMI/VGA  
Local Display / Tower NVR



Hardware Spec.		Software Spec.	Package Contents
Compatibility	Gallery	Datasheet	Download



The QNAP VS-8132 Pro+ VioStor NVR (Network Video Recorder) is a 32-channel network surveillance server which supports high quality real-time video/audio monitoring, megapixel recording (up to 10-megapixel), and playback of multiple IP cameras. The 8-bay VS-8132 Pro+ offers maximum 24TB physical storage (using 3TB hard drives) with hot-swappable RAID technology for high data redundancy. The VS-8132 Pro+ is capable of H.264, MxPEG, MPEG-4, and M-JPEG recording from up to 32 IP cameras. The standalone Linux-based NVR can be easily set up in 5 steps by Internet Explorer without extra software required or even without PC via the HD (high definition) HDMI or VGA local display.

The VioStor NVR is compatible with more than 1,000 IP cameras and video servers from popular brands including AXIS, ACTi, A-MTK, Arecont Vision, AVTECH, Brickcom, Canon, Cisco, CNB, DIGITUS, D-Link, EDIMAX, ELMO, Etrovision, GANZ, Hikvision, IPUX, IPX, IQeye, LevelOne, Linksys, Messoa, MOBOTIX, NAKAYO, Panasonic BS/BL/i-Pro, SANYO, SHANY, Sony, Samsung, TOA, TOSHIBA, TRENDnet, Videosec, VIOSECURE, VIVOTEK, Y-CAM, and Yokogawa.

## Powerful Features of the VioStor NVR (Network Video Recorder):

- Real-time monitoring and recording (video/audio) from maximum 32 IP cameras
- High quality H.264, MPEG-4, M-JPEG, and MxPEG recording (depending on the camera models)
- Complete recording features
- Megapixel recording (up to 10-megapixel)
- PC-less network surveillance by HD (high definition) HDMI or VGA local display
- Multi-server monitoring (up to 128 channels)
- Dual display mode
- Dynamic E-map
- Video search by date and time, timeline, and event
- Intelligent video analytics (IVA)
- Multi-view playback from multiple NVR servers



- Real-time digital watermarking for recording
- Advanced event management
- Real-time SMS and email alert
- VMobile surveillance app: Remote monitoring of IP cameras by Android phones, iPhone, iPad, iPod touch, and Windows PDA phones
- Trouble-free installation
- Linux-embedded, highly reliable standalone NVR
- Advanced RAID with hot-swappable hard drives design
- Online RAID Capacity expansion and online RAID level migration
- UPS support for 24/7 service
- Intelligent automatic power on after power recovery

## Surveillance Features

### Complete Recording Functions

**High Quality H.264, MPEG-4, M-JPEG, and MxPEG Recording** (depending on the camera models)

#### All-in-one Recording Functions

- Continuous, manual, schedule recording \*
  - Alarm recording (by multiple events), alarm recording schedule \*
  - Pre-alarm and post-alarm recording
  - Audio recording
- \* Different recording schedules for the IP cameras.



#### Megapixel Recording

The VioStor NVR supports megapixel recording (up to 10-megapixel) from various IP cameras.



#### Generic IP Cameras Support

The VioStor NVR provides an interface for the users to enter the JPEG CGI command of their IP cameras to retrieve the video and audio data from the IP cameras.



#### Real-time Digital Watermarking

The VioStor NVR supports real-time digital watermarking to protect the videos and snapshots from unauthorized modification. The Watermark Proof utility is provided to verify whether or not the videos and snapshots are original.



### PC-less Network Surveillance by HD HDMI or VGA Local Display

#### Diversified Modes for Local Monitoring

- 1, 4, 6, 8, 9, 10, or 12-channel display mode
- Sequential display mode



#### High Resolution Local Display

The VioStor NVR provides an HDMI interface which can be connected to an HDMI monitor or TV for monitoring in full HD (1920 x 1080) resolution.

#### Convenient Control of PTZ and Speed Dome Cameras

The PTZ (Pan/Tilt/Zoom) cameras can be adjusted directly and the preset positions of the IP cameras can be viewed on the local display interface of the VioStor NVR.

#### Digital Zoom

Digital zoom (in/out) of the video image is supported on the monitoring and playback interfaces of the NVR.

#### On-screen Event Alert

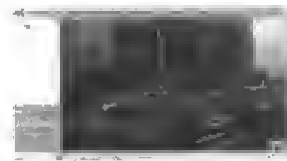
When an event occurs, an alert icon will be shown instantly on local monitoring page. The alert details can be viewed by clicking the alert icon.

#### Video Search

The VioStor NVR supports convenient video search by date and time on the local playback interface.

### Local Video Playback on HDMI Monitor or TV

The VioStor NVR supports video playback directly on an HDMI monitor or TV.



### Quick System Setup

The VioStor NVR can be set up in simple steps on the local display interface.

## Network Surveillance by Web-based Interface (Internet Explorer)

### Real-time Remote Monitoring

#### Multi-server Monitoring

Connect to one VioStor NVR and monitor up to 128 channels from other VioStor NVR servers over LAN or WAN by an IE browser.

#### Diversified Remote Monitoring Modes

- 1, 4, 6, 8, 9, 10, 12, 16, 20, 25, 36, or 42-channel and sequential display mode
- Exclusive Picture-in-Picture mode
- Multi-display mode

### Smart Control of PTZ & Speed Dome Cameras

The PTZ (Pan/Tilt/Zoom) cameras can be adjusted directly by the web user interface of the VioStor NVR.



### Preset Position Control and Auto Cruising

The preset positions of an IP camera can be viewed by clicking the corresponding number buttons on the monitoring page. The time interval can also be configured on the PTZ cameras for periodic monitoring.



### Instant Event Notification

When alarm recording is enabled and an event occurs, an alarm icon is shown instantly on the monitoring page. The alert details can be viewed by clicking the icon.



### Digital Zoom

Digital zoom (in/out) of the video image is supported on the monitoring and playback interfaces.



### Dynamic E-map

The VioStor NVR provides an E-map function for users to upload the digital maps and indicate the locations of the IP cameras of a monitoring location or region.



## Remote Video Playback

### Multi-view Playback

Use the multi-view playback feature to divide a video equally into multiple sessions for playback in a multi-view window, or play the videos of multiple IP cameras in the multi-view window simultaneously.



### Video Search by Date and Time, Timeline, Event, Intelligent Video Analytics (IVA)

The VioStor NVR supports quick video search by date and time, timeline, event, and intelligent video analytics (IVA), which includes motion detection, foreign object, missing object, out of focus, and camera occlusion.

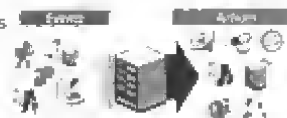
How to use intelligent video analytics on playback

## Event Management

### Advanced Event Management

The VioStor NVR supports various event handling options for different kinds of events.

- Events: Motion detection, alarm input, connection failure, recording failure, and user-defined event.
- Actions: Video recording, email alert, SMS alert,



buzzer, PTZ camera control, alarm output, and user-defined action.

#### **Real-time SMS and Email Alert**

Configure the SMTP server and SMSC server settings on the NVR in order to receive instant system warning or error messages by email and/or SMS.



### **Convenient Backup Solution**

#### **Scheduled Remote Replication**

The VioStor NVR supports scheduled remote replication for secure data backup to a remote QNAP NAS on the local network.

#### **One Touch Auto Video Backup**

Configure the one touch auto video backup button on the front of the NVR to copy the data from the NVR to an external storage device when the button is pressed.

### **Security Control**

#### **Authority Management**

Create multiple users on the VioStor NVR and assign them to different user groups (administrator, system manager, or user) with different rights of monitoring, playback, PTZ control, and audio monitoring.



#### **Auto Logoff**

The VioStor NVR supports automatic user logoff from idling configuration pages. The administrator can set the timeout period to log off the users when the idling time has reached.



#### **Host Access Control**

Specify the host or IP connections to be allowed and denied to access the NVR.



#### **On-line User List**

View the record of users currently logged on and previously logged on to the NVR.



#### **Detailed Event Logs**

The VioStor NVR provides detailed event logs of system warning, hard disk error, network disconnection, UPS status, and access to the networking services of the NVR and video recordings.



### **High Reliability and Smart Features**

#### **Advanced RAID with Hot-swap Design**

The VioStor NVR supports RAID 0, 1, 5, 6, 5+hot spare, 6+hot spare, single, and JBOD disk configurations. Its hot-swap design allows a failed drive of a disk volume, RAID 1 or above, to be replaced by hot swapping without turning off the server.

#### **Online RAID Capacity Expansion and Online RAID Level Migration**

- **Online RAID Capacity Expansion**

The storage capacity of a RAID configuration can be expanded by replacing the hard drives with larger ones. All the data will be kept and seamlessly moved to the newly installed hard drives. There is no need to turn off the server during the process.



- **Online RAID Level Migration**

Upgrade the disk configuration to higher RAID level with the data retained without turning off the server.



#### **S.M.A.R.T. & Advanced HDD Health Scanning (HHS)**

S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) helps monitor the hard disk drives status. The VioStor NVR supports HHS (HDD Health Scan) for disk checking and bad blocks scanning.



#### **Automatic System Startup after Power Recovery**

The VioStor NVR supports automatic system startup after a power recovery.



### UPS Support for 24/7 Service

The VioStor NVR supports APC, CyberPower, MGE, and YEC UPS devices to provide continuous services 24/7 against unexpected power outage.



### DOM Architecture with Embedded Fail-safe Dual OS for Enhanced Reliability

All the OS and applications of the VioStor NVR are embedded on the DOM. The VioStor NVR allows system booting without accessing the physical disk sectors which prevents unsuccessful system startup caused by bad blocks or file errors on the hard drives. Two operating systems are built on the DOM for system booting alternatively upon every system startup. When one fails, the other one for system startup and the failed OS is recoverable from the other healthy OS.

## Network Services

### Dual Gigabit LAN Ports



- **Failover**

This mode allows the VioStor NVR to sustain the failure of one network port to provide continuous services.

- **Load Balancing**

This mode provides bandwidth aggregation to boost the file transfer speed (works with managed Ethernet switch with 802.3ad configured).

- **Multi-IP Settings**

Two IP settings can be configured on the NVR to allow network access from two different subnets.

### Built-in DDNS Service

The VioStor NVR supports dynamic DNS (DDNS) for convenient access to the system via a domain name instead of a lengthy IP address.

### Built-in NTP Server

This feature allows the connected IP cameras to synchronize their date and time settings with the NVR.

### Convenient Data Access

The video data on the VioStor NVR can be accessed by the following protocols with proper access rights:



- SMB/CIFS (Windows)
- HTTP (Web file management)
- FTP

## Easy Configuration and Management

### System Setup in Simple Steps

The NVR can be set up in 6 simple steps by the local display or web-based interface (Internet Explorer).

### Web-based User Interface

All system configurations, monitoring, and playback features of the NVR can be managed by the web-based interface.

### Smart Search of IP Cameras for Quick Settings

QNAP provides an intelligent software utility Finder for quick IP cameras search and system settings on the local network.

## Excellent Hardware Design

### Intel® Core™ i3 CPU and DDR3 Memory for Superior System Performance

Powered by Intel® Core™ i3 CPU and DDR3 memory, the VioStor NVR delivers superior performance for surveillance applications.

### Linux Embedded System

The Linux-based VioStor NVR is more power-saving and less vulnerable to virus attack compared to PC-based surveillance solution.

### Power Consumption

QNAP VS-8132 Pro+ NVR Write/Read  101W  
(VS-8148/8140/8124 Pro+)  
PC-based Server Solution Write/Read  400W

### Touch-N-Go PC-less Installation

Complete the first-time system installation, including hard disk initialization and RAID configuration, of the NVR by the LCD panel without using any PC.

### Huge Storage Capacity for Long-term Recording

## Products

## Storage

## Surveillance

## Enterprise &amp; SMB

## 12-Bay

## 8-Bay

VS-8148U-RP Pro

VS-8140U-RP Pro

VS-8132U-RP Pro

VS-8124U-RP Pro

VS-8148 Pro+

VS-8140 Pro+

VS-8132 Pro+

VS-8124 Pro+

## 6-Bay

## 4-Bay

## SMB &amp; SOHO

## SOHO &amp; Home

## Utility

## Digital Signage

## Archive

## Live Demo

## Compatibility

Home &gt; Products &gt; Surveillance &gt; Enterprise &amp; SMB &gt; 8-Bay

## VS-8132 Pro+

32-channel / 8-bay / HDMI/VGA  
Local Display / Tower NVR

Features	Software Spec.	Package Contents
Compatibility	Datasheet	Download

Processor	Intel® Core™ i3-2120 processor
HDD Capacity	8 x 3.5-inch SATA 6Gb/s, SATA 3Gb/s hard drive <b>NOTE:</b> 1. The system is shipped without HDD.
HDD Tray	8 x hot-swappable and lockable tray
LAN Port	2 x Gigabit RJ-45 Ethernet port
LED Indicators	Status, LAN, USB, hard drive LEDs
USB	2 x USB 3.0 (front:1; back:1) 4 x USB 2.0 (rear:4) Front: for USB storage device (One touch auto video backup) Rear: for UPS device
Buttons	System: Power button, one touch auto video backup button, reset button
LCD Panel	Mono-LCD display with backlight Enter button, Select button for configuration
Alarm Buzzer	System warning
Form Factor	Tower
Dimensions	217.5(H) x 327(W) x 321.2(D) mm 8.56(H) x 12.8(W) x 12.65(D) inch
Weight	Net weight: 8.39 kg (18.48 lb) Gross weight: 13.98 kg (30.79 lb)
Operation Environment	Temperature 0~40°C / 32~104°F Humidity 0~90% R.H.
Power Supply	Input: 100~240V AC, 50/60Hz, Output: 350W
Power Consumption	101W Write/Read (with 8 x 1TB HDD installed)
Secure Design	K-Lock security slot for theft prevention
Video Output	1x HDMI 1x VGA
Fan	2 x 12cm smart cooling fan
Certification	CE, FCC, VCCI, BSMI, C-Tick

## Products

## Storage

## Surveillance

## Enterprise &amp; SMB

## 12-Bay

## 8-Bay

VS-8148U-RP Pro  
 VS-8140U-RP Pro  
 VS-8132U-RP Pro  
 VS-8124U-RP Pro  
 VS-8148 Pro+  
 VS-8140 Pro+  
 VS-8132 Pro+  
 VS-8124 Pro+

## 6-Bay

## 4-Bay

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## SOHO &amp; Home

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## Live Demo

## Compatibility

## VS-8132 Pro+

32-channel / 8-bay / HDMI/VGA  
 Local Display / Tower NVR



Features	Hardware Spec.	Package Contents
Compatibility	Gallery	Datasheet
		Download

## Recording

Number of Channels  
Supported (Recording)

Up to 32

Recording Mode

·Continuous/ manual/ schedule recording  
 ·Alarm recording/ multiple alarm recording schedules

Buffer Storage for  
Alarm Images (before  
and after events)

·Pre-recording: Up to 300 sec  
 ·Post-recording: Up to 300 sec

Recording Performance

Up to 30 fps at H.264, 720P for each channel  
 \* Real performance may vary in different environment

Megapixel Recording

Supports megapixel cameras (up to 10-megapixel)

Network Throughput

400 Mbps

File Format

AVI (QNAP codec is required for playback)

Recording

Enhancement

Real-time digital watermarking, auto snapshot

## Local Display

Display Mode

1, 4, 6, 8, 9, 10, 12, or 16-channel display mode, sequential display mode

Local Monitoring  
Enhancement

Full screen display, event notification, PTZ control, digital zoom

Local Playback

Single view playback from local NVR server

Search Mode for Local  
Playback

By date & time

Playback Control

Play, pause, stop, reverse play, next/ previous video file,  
different speed control

Local Playback  
Enhancement

Full screen display, digital zoom

Export

Convert multiple recording files to the external USB device  
instantly

System Administration

Quick configuration, administration password, network  
settings, time settings, disk volume configuration, camera  
settings

Remote Monitoring	
Display Mode	1, 4, 6, 8, 9, 10, 12, 16, 20, 25, 36, or 42-channel display, Picture-in-Picture, sequential mode, multi-display mode
Video Compression	H.264/ MPEG-4/ M-JPEG/ MxPEG (depending on the camera models)
Video Setting	Resolution, Quality, Frame Rate
Multi-server Monitoring	Up to 128-channel monitoring from multiple VioStor NVR servers
Monitoring Enhancement	Full screen display, video snapshot, manual recording, event notification, PTZ control, digital zoom
Dynamic E-map	Uploading the digital maps and indicating the locations of the IP cameras and GPI devices of a monitoring location or region

Remote Playback	
Playback Channel	Max 16-view playback from multiple NVR servers simultaneously
Search Mode	By date & time, timeline, event, and intelligent video analytics (IVA)
Intelligent Video analytics (IVA)	Motion detection, missing object, foreign object, out of focus, and camera occlusion
Playback Mode	Play, pause, stop, reverse play, next/ previous frame, next/ previous video file, different speed control
Display Mode	Single playback view, 4 playback views, 9 playback views, 16 playback views
Playback Enhancement	Full screen display, video snapshot, digital zoom, digital watermarking
Export	Convert recording files to one avi file
Download	Download recordings via the web

Advanced Event Management	
Events	Motion detection, alarm input, connection failure, recording failure, and user-defined event
Actions	Video recording, email alert, SMS alert, buzzer, PTZ camera control, alarm output, and user-defined action

Backup	
Schedule Remote Replication	Schedule video data backup to a NAS on the local network
Video Backup to External USB Storage by One touch auto video Backup Button	Press and hold the one touch auto video backup button for 3 seconds. The recording data on VioStor will be copied to the external USB device instantly.

Security Control	
Authority Management	Different user groups and rights can be assigned to different users
Host Access Control	Specify the connections to be allowed and denied to access the VioStor NVR
Auto Logoff	Automatic user logoff from idling configuration pages
Event Logs	Detailed event logs
On-line Users List	Record of the users currently logged on and previously logged on to the VioStor NVR
Digital Watermarking	Verify whether or not the videos and snapshots are original

Reliability	
Operation System	Linux-embedded system, free from PC crash and virus attack
Disk Management	<ul style="list-style-type: none"> <li>Single disk, RAID 0, RAID 1, RAID 5, RAID 5+ hot spare, RAID 6, RAID 6+ hot spare, and JBOD/Linear</li> <li>Online RAID Capacity Expansion, Online RAID Level Migration</li> </ul>

•HDD S.M.A.R.T., bad blocks scan

UPS APC/ CyberPower/ MGE/ YEC (USB UPS)

#### Network Services

Support HTTP, TCP/IP, SMTP, DHCP, Static IP, DNS, DDNS, FTP, NTP, UPnP, failover, load-balancing, multi-IP setting

Dual Gigabit LAN Failover/ load-balancing/ multi-IP setting

Services Web File Manager, FTP, SMB/CIFS

#### Language Support

Language Czech/ Danish/ Dutch/ English/ French/ Finnish/ German/ Hungarian/ Italian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Russian/ Spanish/ Swedish/ Simplified Chinese/ Traditional Chinese/ Turkish

Client PC Requirement (Suggested system requirement for better video performance)

CPU •M-JPEG format (up to 32 channels):Quad core CPU 2.33GHz or above  
•MPEG-4/ H.264/ MxPEG format (up to 32 channels):Core i7 CPU 2.8GHz or above

\* For higher surveillance performance, please select more advanced PC models. \* For higher surveillance performance, please select more advanced PC models.

Memory 2 GB or above

Operation System Microsoft Windows XP/ Vista/ 7

Web Browser Internet Explorer 6.0 or above

Network Interface 10/100/1000 Mbps

View Resolution 1024 x 768 pixels or above

#### Utility Software

QNAP Finder Discovery and quick setup of the VioStor NVR

VioStor Player Play the recording files on your Windows computer easily

Watermark Proof Check if the exported videos and snapshots were modified

VMobile Monitor the network cameras on the VioStor NVR by the Android phone, Android Tablet, iPhone, iPad, iPod touch, and Windows phone (6.1~6.5)

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## Products

## Storage

## Surveillance

Enterprise &amp; SMB

SMB &amp; SOHO

SOHO &amp; Home

## Utility

## VMobile

VMobile (for Android  
Mobile Device)VMobile (for Apple Mobile  
Device)VMobile (for Windows  
6.1/6.5 Phone)

## Digital Signage

## Archive

## Live Demo

## Compatibility

Home &gt; Products &gt; Surveillance &gt; Utility &gt; VMobile

## VMobile (for Android Mobile Device)

## Video Surveillance App for Android Mobile Devices



	Hardware Spec.	Software Spec.	Package Contents
Compatibility	Gallery	Datasheet	Download

VMobile is a mobile video surveillance application provided by QNAP for remote and wireless monitoring of IP cameras and video playback by connecting to VioStor NVR through your Android phone. As long as you have network access, you can connect to and manage your video surveillance system anytime, anywhere.

VMobile supports monitoring of unlimited servers/channels from hundreds of network cameras of different brands by simple connecting to any available VioStor NVR on the network. The application supports advanced monitoring features, such as adjustable display mode, PTZ and preset position control, instant notification of alarm events, and snapshot. You can also playback the recording data from different monitoring channels and by different alarm events.

VMobile can be installed on Android phone, and must be used with a VioStor NVR server running V3.3.2 management software or above.

**Powerful Features of VMobile:**

- Diversified monitoring modes
- Video monitoring from VioStor NVR
- Unlimited number of monitoring servers and channels
- PTZ control of PTZ & speed dome cameras
- Preset position control
- Instant event notification
- Video snapshot
- Video search by Date & Time
- Video playback
- Trouble-free installation

**Remote Monitoring****Diversified Monitoring Modes**

- 1/2/3/4/6/8/9-channel display mode
- Sequential display mode

**Video Monitoring from VioStor NVR**

You can use VMobile to connect to all available VioStor NVR servers and monitor the network cameras of different brands.

**Unlimited Number of Monitoring Servers and Channels**

You can use VMobile to connect to VioStor NVR and add other QNAP NVR servers to monitor unlimited number of channels from Android phone.



#### **PTZ Control of PTZ & Speed Dome Cameras**

VMobile enables you to adjust the PTZ cameras directly on your Android phone.

#### **Preset Position Control**

You can view different preset positions of the IP cameras on the monitoring page.

#### **Instant Event Notification**

VMobile supports multiple alarm notification, such as ring, and vibration.

#### **Video Snapshot**

You can take a snapshot of a channel anytime.

#### **Remote Playback**

#### **Video Search by Date and Time**

VMobile supports quick search of recording data by date and time.

#### **Video Playback**

VMobile supports playback of the recording data from different monitoring channels. It also provides instant event playback.

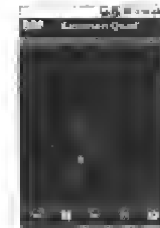
#### **Easy Configuration and Management**

#### **Trouble-free Installation**

Download VMobile from Android Market and installed on your Android phone in a few steps.

#### **Intuitive User Interface**

All monitoring, playback, and program settings can be completed on the interface of the Android phone.



## Products

Home &gt; Products &gt; Storage &gt; SMB &gt; 8-Bay

## Storage

## High-end SMB

## SMB

## 12-Bay

## 8-Bay

TS-869U-RP

TS-869 Pro

SS-839 Pro

## 6-Bay

## 5-Bay

## 4-Bay

## 2-Bay

## Home &amp; SOHO

## Surveillance

## Digital Signage

## Archive

## Live Demo

## Compatibility



## TS-869 Pro

High-performance 8-bay NAS server for SMBs



Features	Hardware Spec.	Software Spec.
Compatibility	Gallery	Datasheet
		Download

## ✓ TS-869 Pro



## ✓ CD-ROM



## ✓ Ethernet cable x 2



## ✓ Quick Installation guide



## ✓ Flat head screw x 24 (for 2.5" HDD)



## ✓ Flat head screw x 32 (for 3.5" HDD)



## ✓ Hard disk lock x 1



## ✓ Power cord



## Accessories (Optional Purchase) :



## 1GB RAM Module :

- SP-1GB-DDR350
- RAM-1GDR3-50-1333 (will adopt the new P/N on Q4 2012)



## 2GB RAM Module :

- SP-2GB-DDR350
- RAM-2GDR3-50-1333 (will adopt the new P/N on Q4 2012)




[Google Search](#)
[English - US/Canada](#)
[Home](#) > [Products](#) > [Storage](#) > [Home & SOHO](#) > [8-Bay](#)

## Products

### Storage

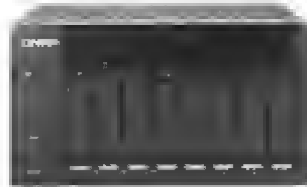
[High-end SMB](#)
[SMB](#)
[Home & SOHO](#)
[8-Bay](#)
[TS-869L](#)
[6-Bay](#)
[5-Bay](#)
[4-Bay](#)
[2-Bay](#)
[1-Bay](#)

### Surveillance

[Digital Signage](#)
[Archive](#)
[Live Demo](#)
[Compatibility](#)

[Home](#) > [Products](#) > [Storage](#) > [Home & SOHO](#) > [8-Bay](#)

## TS-869L



High-performance 8-bay NAS server for SMBs



Features	Software Spec.	Package Contents
Compatibility	Gallery	Download

<b>CPU</b>	Intel® Atom™ 2.13 GHz Dual-core Processor
	1GB RAM (Expandable RAM, up to 3GB)
	NOTE:
<b>DRAM</b>	1. The system memory can be increased to 3GB by installing an additional 1GB/2GB SO-DIMM RAM module.
	2. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide
<b>Flash Memory</b>	512MB DOM
	8 x 3.5" or 2.5" SATA 3Gb/s hard drive or SSD
<b>Hard Disk Drive</b>	NOTE:
	1. The system is shipped without HDD.
	2. For the HDD compatibility list, please visit <a href="http://www.qnap.com/en/index.php?sn=3877&amp;lang=en">http://www.qnap.com/en/index.php?sn=3877&amp;lang=en</a>
<b>Hard Disk Tray</b>	8 x Hot-swappable
<b>LAN Port</b>	2 x Gigabit RJ-45 Ethernet port
<b>LED Indicators</b>	Status, LAN, USB, eSATA, Power, HDD 1, HDD 2, HDD 3, HDD 4, HDD 5, HDD 6, HDD 7, HDD 8
<b>USB</b>	2x USB 3.0 port (Back: 2)
	5x USB 2.0 port (Front: 1; Back: 4)
	Support USB printer, pen drive, USB hub, and USB UPS etc.
<b>eSATA</b>	2 x eSATA port (Back)
<b>Buttons</b>	Power button, USB One-Touch-Backup Button, Reset button
<b>Alarm Buzzer</b>	System warning
<b>Form Factor</b>	Tower
<b>Dimensions</b>	185.2 (H) x 298.2 (W) x 235.4 (D) mm
	7.29 (H) x 11.74 (W) x 9.27 (D) inch
<b>Weight</b>	Net weight: 7.1 kg (15.65 lbs)
	Gross weight: 8.4 kg (18.52 lbs)
	w/o HDD installed: 40.0 dB
<b>Sound Level (dB)</b>	Stand by: 40.4 dB
	In operation: 40.8 dB
	(with 8 x 750GB HDD installed)

<b>Power</b>	Sleep mode: 30W
	In Operation: 50W
<b>(W)</b>	Power consumption (with 8 x 1.5TB HDD installed)
<b>Temperature</b>	0-40 °C
<b>Humidity</b>	0-95% RH
<b>Power</b>	Input: 100-240V AC, 50/60Hz, Output: 350W
<b>Secure</b>	K-lock security slot for theft prevention
<b>VGA</b>	Reserved VGA interface for maintenance
<b>Fan</b>	2 x quiet cooling fan (12 cm, 12V DC)



North America-United States QNAP, Inc. TEL: 909-595-2762 FAX: 909-992-7777  
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## Products

### Storage

#### High-end SMB

##### 16-Bay

TS-EC1679U-RP  
TS-1679U-RP

##### 12-Bay

##### 10-Bay

##### 8-Bay

#### SMB

#### Home & SOHO

#### Surveillance

#### Digital Signage

#### Archive

#### Live Demo

#### Compatibility



[Home](#) > [Products](#) > [Storage](#) > [High-end SMB](#) > 16-Bay

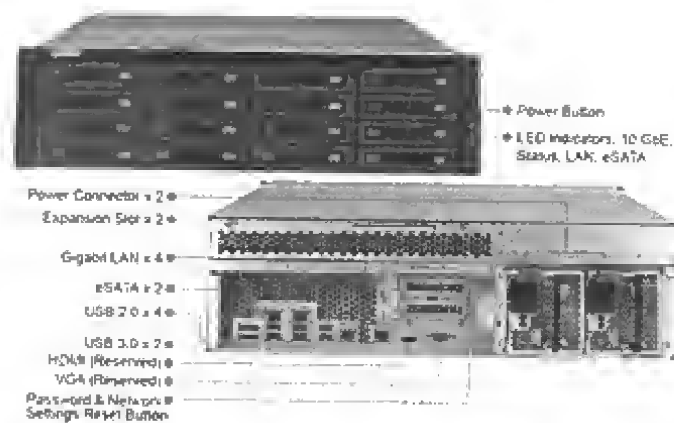
## TS-1679U-RP

Ultra-high performance 16-bay  
NAS server for high-end SMBs



Features	Software Spec.	Package Contents
Compatibility	Datasheet	Download
CPU	Dual Core Intel® Core™ i3-2120 Processor 3.3 GHz	
DRAM	4GB DDR3 RAM	
	<b>Note:</b> 1. The system memory can be increased to 16GB by installing three additional 4GB Long-DIMM RAM module. 2. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide	
Flash Memory	512MB DOM	
Hard Drive	16 x 3.5" or 2.5" SATA 6Gb/s, SATA 3Gb/s hard drive or SSD	
	<b>Note:</b> 1. The standard system is shipped without hard drives.	
Hard Drive Tray	16 x hot-swappable and lockable tray	
LAN Port	4 x Gigabit RJ-45 Ethernet port (Expandable up to 8 x 1 Gb LAN or 4 x 10 Gb + 4 x 1 Gb LAN by installing optional dual-port 10 Gb and 1 Gb network card)	
	<b>Note:</b> 1. For the information of network card installation, please refer to chapter 6 in the Turbo NAS Hardware Manual.	
LED Indicators	Status, 10 GbE, LAN, eSATA, hard drives	
USB	2x USB 3.0 port (rear) 4x USB 2.0 port (rear) Support USB printer, pen drive, USB hub, and USB UPS etc.	
eSATA	2 (rear)	
Buttons	System: Power button and reset button	
Alarm Buzzer	System warning	
Form Factor	3U, Rackmount	
Dimensions	130(H) x 442.4(W) x 528.3(D) mm 5.12(H) x 17.42(W) x 20.80(D) inch	
Weight	20.21 kg/ 44.56 lb (Net) 24.79 kg/ 54.65 lb(Gross)	
Sound Level	Standby: 54.73dB	

(dB)	In operation: 55.13 dB (with 16 x 1TB HDD installed)
Power Consumption (W)	Sleep mode: 89.1 W In Operation: 229 W (with 16 x 1TB hard drive installed)
Temperature	0~40°C
Relative Humidity	0~90%
Power Supply	Input: 100-240V AC, 50-60Hz Output: 600W
Expansion Slot	2 (for network and storage expansion)
VGA	Reserved for maintenance
HDMI	Reserved for maintenance
Fan	3 x 6 cm smart cooling fan

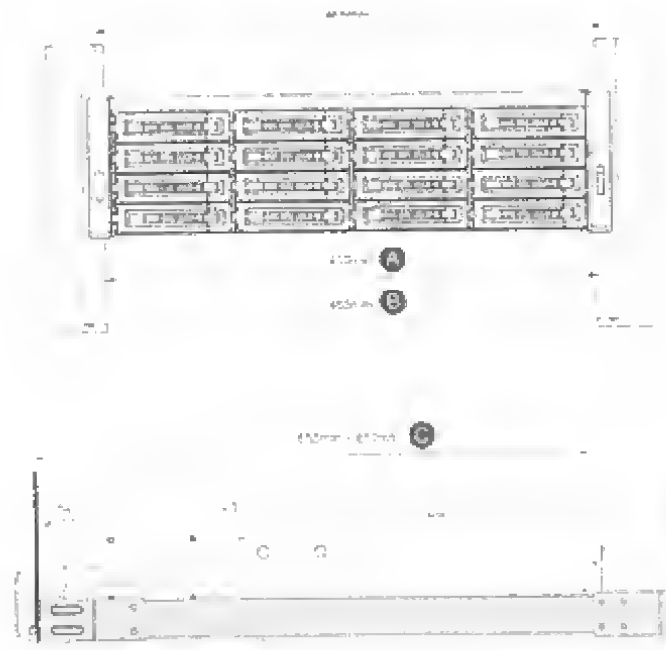


#### Remark:

The TS-x79 rack mount models comply with ANSI/EIA-RS-310-D rack mounting standards. Before purchasing the server racks for these models, please make sure the server racks conform to the following criteria:

#### 1. Rack size

- A. Mounting post width:  $\geq 450\text{mm}$
- B. Panel width:  $\geq 485\text{mm}$
- C. Mounting post depth: 650mm~850mm



2. If the NAS is to be installed in a rack, a rack shelf or QNAP rail kit (optional purchase) is required.
3. The optional rack kits for the TS-x79 rack mount models are only compatible with square-hole server racks.



# INS-HDIPCAM25

2Mp CMOS Full HD Vandal-proof Network Mini Dome Camera

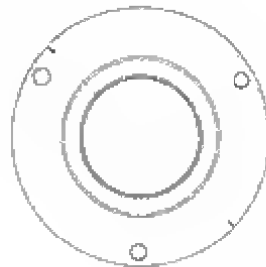


Only PAL Signal INS-HDIPCAM25 Camera is Available NOW

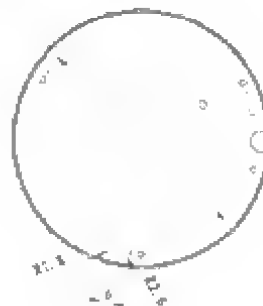
## Feature:

- 1/3" 7.0 Megapixel SDNT progressive scan Exmor CMOS image sensor
- High-performance TI Davinci series DSP
- H.264 video compression and JPEG image capture
- Max 2530fps@1080P resolution
- Dual encoding streams supported
- Built-in 3.8mm lens
- Max 32GB Micro SD card for local storage
- Support DC12V power supply, PoE (without PoE equipment)
- IP-10-rated Vandal-proof & IP66/Water-proof
- Newly designed to plugable WEB Client
- Free CMS, free mobile phone APPs

112



196



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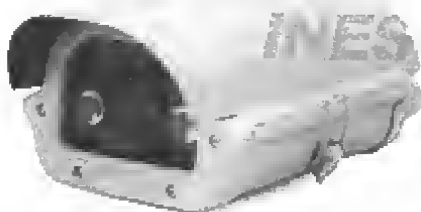
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**Specification:**

Model	INS-HDIPCAM25
<b>General</b>	
Processor	TI DaVinci Series DSP
Operating System	Embedded LINUX
Resource	Simultaneous remote monitoring, local recording and remote control
User Interface	WEB, CMS(DSS/PSS), DMSS, NVR
<b>Camera</b>	
Image Sensor	1/3" 2.0 Megapixel SONY progressive scan Exmor CMOS
Effective Pixels	PAL/NTSC 1920 (H)×1080(V)
Electronic Shutter	Auto/Manual, 1/3~1/10000s Auto/Manual, 1/4~1/10000s
Mini Illumination	0.2Lux@F1.6(Color), 0.01Lux@F1.6(B/W)
Signal Noise Ratio	>50dB
Gain Control	Auto/Manual
White Balance	Auto/Manual
Day/Night	Electronic
Lens Mount	M12
Lens	3.6mm
<b>Video</b>	
Video Compression	H.264/MJPEG
Image Resolution	1080P(1920×1080) / 720P(1280×720) / D1(704×576) / CIF(352×288)
Encoding Speed	1080P/720P(1~25fps) + D1(1~25fps) 1080P/720P(1~30fps) + D1(1~30fps)
Bit Rate	160K~8Mbps
Snapshot	Fastest 11fps JPEG capture
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Network Functions	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, UDP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, ONVIF
Remote Operation	Monitor, Playback, System setting, File download, Log information, Maintenance & Upgrade
<b>Auxiliary interface</b>	
MicroSD Card	Max 32GB, local storage
<b>Environmental</b>	
Power Supply	DC12V, PoE (without PoE equipment)
Power Consumption	<4W
Ingress Protection	Ik10 & IP66
Operating Environment	-10°C~+60°C, 10%~90%
Dimension	Φ110mm×54mm
Weight	500g

## Support the brand ONVIF 1.02



axxon

alhua



nuuo

HIKVISION

OVICILON



QNAP

AVerMedia

Synology

OnSSI

Genetec

**INS-HDIPCAM20** IP camera is one cost effective 2.0 Mega Pixel IP IR Fisheye, which build in the latest HISILICON Hi 3507 chipset, Adopts H.264 Main Profile @ Level3 compression technology. Meanwhile it uses 1/3" inch progressive CMOS sensor, plus with 2.0 megapixel lens, ensure its high quality image. Besides we provide 802.3af POE option.

### **INS-HDIPCAM20** Application

- City Surveillance
- Government Projects
- Traffic Monitoring
- Education



**Product features:**

- H.264 Main Profile @level 3
- 2.0 Megapixel 1600\*1200 Resolution
- Dual H.264 Stream, resolution, frame rate, bit rate adjustable
- Support RTSP Compatible with VLC Media Player
- Onvif Compliant support Milestone, Axon, NUVUO, etc
- Support Two Way Audio
- Support Onvif Version: 1.02
- Build in Motion Detection
- 1/3" CMOS Sensor Progressive Scan
- 4mm 2.0 Mega Pixel varifocal Lens included
- IEEE 802.3af POE (without POE equipment)
- Support Daylight, 50m IR Range
- Waterproof Housing, IP66, outdoor Use

**Digital Video Processor:**

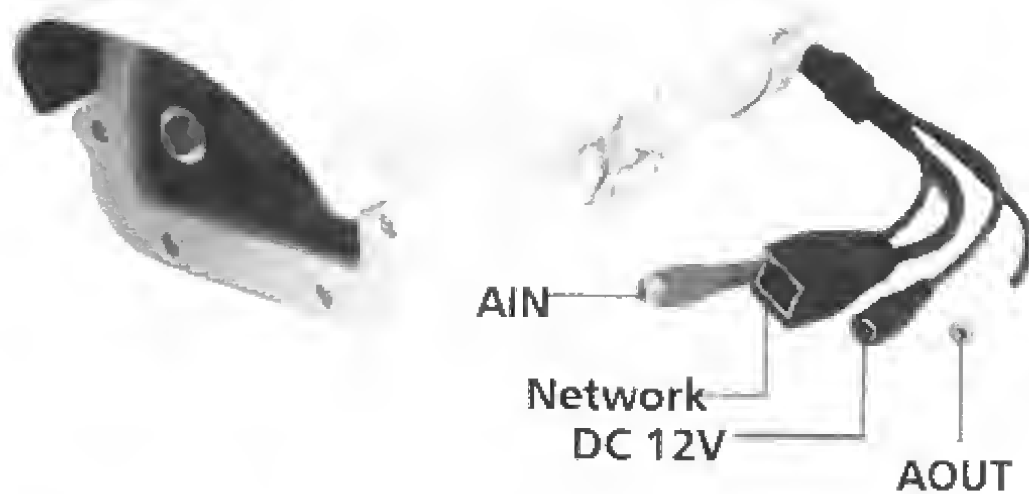
- Compression Technology: H.264 Main Profile @level 3
- Frame Rate: PAL: 1-25 fps NTSC: 1-30 fps
- Video Protocol: TCP,UDP,IP,HTTP,FTP,SMTP,DHCP,DNS,ARP,ICMP,POP3,FTP,RTSP, and RTSP
- CPU: ARM926EJ-S, 32-bit RISC processor, Harvard architecture
- Camera Access: 10 users
- Bit Rate: 32Kbps ~ 4Mbps
- Video Size: 1600\*1200 (15 fps) / 1280\*720 (25 fps) / CIF / QCIF / QVGA
- Audio: G.726 compression/ Two way audio

**Camera:**

- Image Sensor: 1/3" CMOS Progressive Scan
- Lens: 4mm Megapixel Fixed Lens
- Minimum Illumination: 0.1Lux
- S/N ratio: more than 48dB
- IR Range: 50m

**Environmental:**

- LAN Ports: 10/100 BASE-T, RJ45, 1ea
  - Operation Temperature: -10° ~ 55°
  - Operation Humidity: within 95% RH
  - Power Supply: DC12V 2.0A or 802.3af POE (without POE equipment)
  - Day/Night Support, 50 meters IR Range
  - Waterproof Housing: IP66 waterproof Outdoor Enclosure
-



---

**Item includes :**

- 1 x 2.0M 4mm lens 1600X1200 2pcs Leds Outdoor HD IP Network IR Camera
- 1 x Power Supply

THE  
**CINCINNATI INSURANCE COMPANY**  
CINCINNATI, OHIO

**Bid Bond**

KNOW ALL MEN BY THESE PRESENTS, that we Cedroni Associates, Inc.

5639 Auburn Road, Shelby Township, MI 48317

as Principal, hereinafter called the Principal, and THE CINCINNATI INSURANCE COMPANY, 6200 S. Gilmore Road, Fairfield, Ohio 45014-5141, a corporation duly organized under the laws of the State of Ohio, as Surety, hereinafter called the Surety, are held and firmly bound unto

Oakland Schools

2111 Pontiac Lake Road, Waterford, MI 48328

as Obligor, hereinafter called the Obligor, in the sum of five percent of amount bid

Dollars (\$ 5% )

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for

Video Surveillance Systems

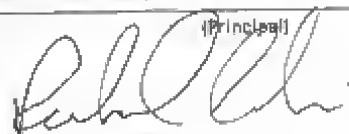
NOW, THEREFORE, if the Obligor shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligor in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligor the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligor may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 26th day of February,

2013

Cedroni Associates, Inc.

  
(Witness)

By:  (Principal) (Seal)  
PRESIDENT  
(Title)

  
(Witness)

THE CINCINNATI INSURANCE COMPANY  
(Surety) (Seal)

By:   
Jane M. Heller Attorney-in-Fact

The Company executing this bond vouches that this document conforms to American Institute of Architects Document A310, February 1970 Edition.

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Thomas Moglia, Robert F Moglia, Jr., Lori A Powell, Jane M Haller, Ila Korja, Edmund M George, Donn Johnson, Cassy D Lopez,

of Bloomfield Hills, MI

its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States,

Twenty Five Million Dollars and 00/100 (\$25,000,000.00)

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1988, which resolution is still in effect:

RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 1st day of April, 2007.



STATE OF OHIO ) ss:  
COUNTY OF BUTLER )

THE CINCINNATI INSURANCE COMPANY

Vice President

On this 1st day of April, 2007, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



MARK J. HULLER, Attorney at Law  
NOTARY PUBLIC - STATE OF OHIO  
My commission has no expiration  
date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio,  
this 20 day of February, 2013



Secretary

BN-1005 (3/02)

SECTION 00410 - PROPOSAL FORM

ORIGINAL



**OWNER:** Oakland Schools  
2111 Pontiac Lake Road  
Waterford, Michigan 48328

**PROJECT:** Oakland Schools  
Video Surveillance Systems

**COMPANY:** \_\_\_\_\_  
**NAME:** Cedroni Associates, Inc.

**ADDRESS:** 5639 Auburn Road  
Utica, MI 48317

**CONTACT NAME:** Richard Cedroni

**TELEPHONE:** (586) 254-7778

**E-MAIL:** cedroniassociates@sbcglobal.net

**PROPOSAL SUBMITTAL REQUIREMENTS**

- A. Provide a complete bill of materials depicting quantities, model numbers, catalog cuts, operating characteristics, physical characteristics and equipment configuration for all equipment, software, wiring and miscellaneous appurtenances included in this proposal.
- B. The proposal information shall be assembled in two (2), three-ring binders complete with Table of Contents. All pages shall have page numbers, which shall be included in the Table of Contents. Binders shall be submitted in separate, sealed envelopes, each clearly labeled with company name, project name, OS RFP number and contents (technical or cost).
- C. The Table of Contents shall be as follows: Binder 1 (Technical Information)
- |    |             |  |
|----|-------------|--|
| 1. | Tab No. 1.1 | Cover Letter   |
| 2. | Tab No. 1.2 | Names and Company Profiles for Prime Contractors, Major Subcontractors and Major Suppliers |
| 3. | Tab No. 1.3 | Organizational Chart/Schedule/Manpower   |
| 4. | Tab No. 1.4 | Wiring and Equipment   |
| 5. | Tab No. 1.5 | Maintenance Agreements and Service Agreements and Warranties                               |
| 6. | Tab No. 1.6 | Miscellaneous (optional)   |
- D. Table of Contents shall be as follows: Binder 2 (Cost Information)
- |    |             |                      |
|----|-------------|----------------------|
| 1. | Tab No. 2.1 | Proposal Form        |
| 2. | Tab No. 2.2 | Bill of Materials    |
| 3. | Tab No. 2.3 | Voluntary Alternates |

ORIGINAL

E. Description of Contents: Binder 1 (Technical Information)

1. Tab No. 1.1: Cover letter, shall include an executive overview of the project depicting the Bidder's complete understanding of the project.
2. Tab No. 1.2: List the names and company profiles for Prime Contractor, Major Subcontractors and Major Suppliers. In addition to the above information, describe each of the following:
  - a. The roles of the Prime Contractor, Subcontractors and Suppliers.
  - b. Description of corporate history for the Prime Contractor and planned Subcontractors, including dates of incorporation/founding, dates of any corporate mergers and/or acquisitions of Contractors and all present and former subsidiaries.
  - c. The number of years installing similar systems in facilities similar to the Owner's.
  - d. List of references that would be considered peers to the Owner utilizing similar systems.
  - e. Name of active projects, their sites and scope of work.
  - f. Provide recent customer references for similar work performed during the past twelve (12) months and provide documentation on installation staff training and certification.
  - g. Indicate whether Prime Contractor or any planned Subcontractor are currently in litigation over other projects or have been involved in litigation over other projects in the previous five (5) years.
3. Tab No. 1.3: Organizational chart shall depict the prime contractor, the subcontractors, major suppliers, trainers, project managers, name of project leader, superintendents, executive staff of each firm, service staff, the names of the individuals occupying those positions, telephone numbers, facsimile numbers and e-mail addresses of all individuals on the organizational chart.
  - a. Provide a detailed schedule, indicating specific dates that you would plan to be working within the building(s). This schedule shall include major milestones required to achieve the completion dates previously specified.
4. Tab No. 1.4: Wiring and equipment shall include the following information:
  - a. Description of system operation.
  - b. Complete bill of materials indicating quantities and take-offs for the products being provided.

Note: Separate labor and materials cost shall be provided for all materials in Binder 2. Refer to F.2.2.
  - c. Equipment model numbers.
  - d. Catalog cuts for all equipment being provided.
  - e. Manufacturer's product specifications and installation instructions.
  - f. A complete itemization of any software products with catalog cuts.
  - g. *Software product specifications and installation instructions, if applicable.*
5. Tab Nos. 1.5 and 1.6 are self-descriptive as to their intended content.

F. Description of Contents: Binder 2 (Cost Information)

1. Tab No. 2.1: Proposal Form shall include a completed proposal.
2. Tab No. 2.2: Bill of Materials shall separate labor and materials cost on an item-by-item and on a building-by-building basis.
3. Tab No. 2.3: Voluntary alternates, in a section, which is optional and made available to permit all Bidders to submit alternates to the Bidding Documents. These voluntary alternates shall clearly define the intent of the alternate, cost impact to implement the alternates, and a description of the deviation in functions and features between the alternates and the base Bidding Documents. Include catalog cuts in this section for each alternate product required. The catalog cuts shall be

keyed to the description of the alternate. Each alternate shall be independent of any alternate and shall be uniquely identified, i.e. TAL-1 (Technology Alternate No. 1), TAL-2, TAL-2, etc.

- G. Information provided in both binders shall clearly identify the facilities to which the technical and cost information applies.

## PROPOSAL

The undersigned proposes and agrees to furnish equipment, materials, and labor and perform all work necessary to complete the Oakland Schools Contract for Video Surveillance Systems, in accordance with the Proposal Documents dated February 5, 2013, and agrees to accept payment as herein provided.

Lump Sum proposals shall be provided for each District and building as indicated below.

Lump sum proposals shall be inclusive of all applicable taxes for all work specified.

Costs shall be provided using the following definitions:

Video Management System shall include the costs for software, licensing, programming, labor and other miscellaneous required for a complete Video Management System.

Cameras shall include the cost for all cameras, housings, mounts, engineering and labor and required for a complete camera installation.

Base Storage infrastructure shall include engineering, programming, licensing, enclosures, shelves, controllers, switches, cabling and other miscellaneous required for a complete video storage system (do not include drives for storage)

Pro-rated Storage shall include drives sized appropriately per facility for video storage. Installation of drives will be at the Oakland Schools Administration Building but costs allocated per site.

District & Buildings	Material Cost	Labor Cost	Total Cost	Man Hours
<b>Oakland Schools</b>				
<b>1. Administration Building</b>				
Video Management System	\$ 12550	\$2925	\$ 15475	45 hrs
Cameras	\$ 7650	\$2145	\$ 9795	33 hrs
Base Storage Infrastructure	\$ 4899	\$1040	\$ 5939	16 hrs
Pro-rated Storage	\$ 1260	\$260	\$ 1520	4 hrs
Total Cost - Admin Bldg	\$ 26,359.00	\$6,370.00	\$ 32,729.00	98 hrs
<b>2. Southwest Campus</b>				
Video Management System	\$9850	\$ 2925	\$12775	45 hrs
Cameras	\$10800	\$ 4680	\$15480	72 hrs
Pro-rated Storage	\$1260	\$ 260	\$ 1520	4 hrs
Total Cost - SW Campus	\$ 21,910.00	\$ 7,865.00	\$29,775.00	121 hrs
<b>District Total - Oakland Schools</b>	<b>\$48,269.00</b>	<b>\$ 14,235.00</b>	<b>\$62,504.00</b>	<b>219 hrs</b>

**3. Royal Oak Schools**

**1. Royal Oak High School**

Video Management System	\$ 9850	\$ 2925	\$ 12775	45	hrs
Cameras	\$ 13950	\$ 6045	\$ 19995	93	hrs
Pro-rated Storage	\$ 1260	\$ 260	\$ 1520	4	hrs
<b>Total Cost - ROHS</b>	<b>\$ 25,060.00</b>	<b>\$ 9,230.00</b>	<b>\$ 34,290.00</b>	<b>142</b>	<b>hrs</b>

**4. Clawson Public Schools**

**1. Clawson High School**

Video Management System	\$ 9850	\$ 2925	\$ 12775	45	hrs
Cameras	\$ 4500	\$ 1950	\$ 6450	30	hrs
Pro-rated Storage	\$ 1260	\$ 260	\$ 1520	4	hrs
<b>Total Cost-CHS</b>	<b>\$ 15,610.00</b>	<b>\$ 5,135.00</b>	<b>\$ 20,745.00</b>	<b>79</b>	<b>hrs</b>

**MANDATORY ALTERNATES**

Mandatory Alternate No. 1: Provide all hardware, software, services and licensing to integrate Oakland Schools' existing video surveillance systems into the new proposed video surveillance system. Refer to Section 16760, paragraph "INTEGRATION OF EXISTING VIDEO SURVEILLANCE SYSTEMS (ALTERNATE)" for detailed requirements.

Add/Deduct \_\_\_\_\_  
 Eighty Four Hundred Fifty \_\_\_\_\_ Dollars (\$ 8450.00 ).

**VOLUNTARY ALTERNATES**

Voluntary Alternate No. 1: Touch-Zoom Technology

Add/Deduct 27" Wide screen 720p LCD with Touch overlay Each  
 Eight Hundred Eighty Three \_\_\_\_\_ Dollars (\$ 883.00 ).

Voluntary Alternate No. 2: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).

Voluntary Alternate No. 3: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).



#### UNIT PRICES

The Contractor proposes Unit Prices in accordance with the following schedule. Said unit prices shall include all charges for labor, materials and equipment, overhead and profit, general conditions, supervision, insurance, applicable taxes and incidental expenses.

Said unit prices shall be applicable to the pricing of additions to, or deletions from, the work indicated in the Contract Documents.

#### Section 16760 – Video Surveillance System

UP No. 1: Cost to provide and install one (1) interior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling costs.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>
Wall Arm Mount	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>
Corner Mount	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>

UP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02
Wall Arm Mount	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02
Corner Mount	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02

UP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

UP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>450</u>	\$ <u>          </u>	Owner Supplied

UP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

UP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	N/A

UP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ <u>          </u>	QNAP
50 TB	\$ <u>10760</u>	\$ <u>          </u>	QNAP
100 TB	\$ <u>19200</u>	\$ <u>          </u>	QNAP

# EXTENDED UNIT PRICES

The Contractor proposes Extended Unit Prices in accordance with the following schedule. Extended unit prices shall include all charges for labor, materials, and equipment, overhead, profit, inflation, escalation, general conditions, supervision, insurance, applicable taxes and incidental expenses.

EUP No. 1: Cost to provide and install one (1) interior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling costs.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ 569	\$	Onvis v1.02
Wall Arm Mount	\$ 569	\$	Onvis v1.02
Corner Mount	\$ 569	\$	Onvis v1.02

EUP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ 614	\$	Onvis v1.02
Wall Arm Mount	\$ 614	\$	Onvis v1.02
Corner Mount	\$ 614	\$	Onvis v1.02

EUP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

ADD	DEDUCT	MANUFACTURER
\$ N/A	\$ N/A	QNAP

EUP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ 450	\$	Owner Supplied

EUP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ N/A	\$ N/A	QNAP

EUP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

ADD	DEDUCT	MANUFACTURER
\$ N/A	\$ N/A	N/A

EUP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ _____	<u>QNAP</u>
50 TB	\$ <u>10760</u>	\$ _____	<u>QNAP</u>
100 TB	\$ <u>19200</u>	\$ _____	<u>QNAP</u>

## TAXES

Installation services for the tangible personal property purchased by the Owner are not subject to sales taxation. Moreover, the Owner is exempt from taxation on all tangible personal property purchase by the Owner for its use and consumption; however this exemption would not apply to any materials required under the Contract Documents that are deemed to be a component of a construction/improvement project to the Owner's facilities. All prices submitted on the Bid Form shall be inclusive of all applicable taxes.

## ADDENDA

The undersigned acknowledges the receipt of the following addenda:

Addendum No. <u>1</u>	Dated <u>02/13/2013</u>	Addendum No. <u>2</u>	Dated <u>02/15/2013</u>
Addendum No. <u>3</u>	Dated <u>02/21/2013</u>	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____

## TIME OF COMPLETION

The undersigned agrees to substantially complete the project by May 31, 2013:

## WITHDRAWAL OF PROPOSAL

The undersigned agrees that its Proposal shall not be withdrawn for a period of ninety (90) days after the date set for receipt of Proposals.

## NON-COLLUSION

The undersigned certifies that the Proposal has not been prepared in collusion with any other Contractor and that the prices, discounts, terms and conditions thereof have not been directly or indirectly communicated by or on behalf of the Contractor to any such person other than the recipient of such Proposal, and will not be communicated to any such person prior to the official opening of said Proposal. The undersigned fully understands that no premiums, rebates, or gratuities are permitted either with, prior to or after signing the Contract.

This certification may be treated as if it were a sworn statement made under oath, and is made subject to the provisions of 18 U. S. C., 1001, relating to the making of false statements.

**SIGNATURE AND LEGAL STATUS OF BIDDER**

Signed and sealed this 26th day of February, 2013.

Corporation

(Individual, Partnership, Corporation)

Michigan

State of Incorporation

Atfix Corporate Seal

By:

  
(Authorized Signature of Bidder)

Richard Cedroni

(Print or Type Name of Bidder)

President

Title

5639 Auburn Rd., Utica, MI 48317

Business Address

cedroniassociates@sbcglobal.net

E-mail

Instructions: Submit one (1) original and two (2) copies to the Owner and retain one (1) copy for the Contractor's records. Clearly label each copy submitted as either "original" or "copy".

**END OF PROPOSAL FORM**



## Oakland Schools

### SECTION VIII: CERTIFICATION

RFP 13-0019 Video Surveillance System

Contractor hereby certifies the following by checking yes or no by each item.

	<u>Yes</u>	<u>No</u>
1. That the Contractor has carefully examined the instructions and specifications and will furnish this material/product with such specifications for the price set forth in this proposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All conditions noted in the proposal are understood and acknowledged.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Contractor's terms as specified are true and correct.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. That the Contractor has carefully checked the enclosed figures and understands that they shall be responsible for any error or omission in the proposal offer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Respondents must attest in writing that they have sought answers to any questions they may have regarding the form or substance of this IFB, and that they waived any right to protest the selection process up to the point of selection of firms to be interviewed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. This proposal contains the entire understanding of the parties and supersedes all prior understandings, agreements, or representations by or between the parties, whether oral or written, which in any way relate to the subject matter of this agreement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Execution of this contract constitutes a representation by the Contractor that to the best of the Contractor's knowledge no conflict of interest exists between the District representatives and the Contractor or its employees and agents.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. This proposal is made without any previous understanding or agreement with any other person, firm or corporation submitting a proposal for the same purpose and in all respects is fair and without collusion or fraud. The bidder certifies that it has not divulged, discussed or compared its proposal with other bidders and has not colluded with any other bidder or parties to a proposal whatsoever.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

As an awarded contract, the above bidder agrees to provide the scope of work in this Request for Proposal, including all terms and conditions, special provisions, specifications, addenda, questions and corresponding answers, and the bid as set forth in these Contract Documents. The parties intend for this to become part of the final and complete agreement between Oakland Schools and the Contractor.

Richard Cedroni

President

02/26/2013

Name (Print)

Title

Signature

Date

### **ACCEPTANCE OF PROPOSAL: (To be completed by the contracting officer AFTER Board approval)**

This proposal for said services and/or solution is hereby selected and has been approved by the Board of Education at date indicated below. As an awarded Contractor, your firm is bound to provide the services and/or solution per the attached, including all terms, conditions, specifications, and addenda as set forth in the Request for Proposal. The parties intend this award to constitute the final and complete agreement between the Oakland Schools and Contractor, and no other agreements, oral or otherwise, regarding the subject matter of this agreement, shall bind any of the parties hereto unless agreed in writing.

Name (Print)

Title

Signature

Date

Board of Education Approval: \_\_\_\_\_

Service Contract (SC) No: \_\_\_\_\_



# Oakland Schools

## SECTION IX: NOTARIZED FAMILIAL and RELATIONSHIP DISCLOSURE

(Return completed and notarized form with bid)

Pursuant to MCL 380.1267, a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board or the Oakland Schools Superintendent must be accompanied with the bid. Bids without this disclosure statement will not be accepted. The members of the Oakland Schools Board are: **Barbara DeMarco, George Ehler, Marc Katz, Theresa Rich, and Connie Williams**, and the Oakland Schools' Superintendent is **Vickie L. Markavitch**.

Further, the undersigned, the owner or authorized officer of Cedroni Associates, Inc. (the "Contractor"), pursuant to the Familial and Relationship Disclosure requirement provided in the Oakland Schools (the "School District") Request for Proposal for **Video Surveillance System**, hereby represents and warrants that, except as provided below, no business or other relationship exists between any owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland School, including, but not limited to an employment, service, or other ownership or business relationship. As used herein, "family member" means a person's spouse or spouse's sibling or child; a person's sibling or sibling's spouse or child; a person's child or child's spouse; or a person's parent or parent's spouse, and includes these relationships as created by adoption or marriage. Contractor further warrants and agrees that if any such relationship is establish after submission of the Proposal/Bid or after entering into the contract with Oakland Schools, Contractor shall immediately disclose the type and nature of such relationship to Oakland Schools in writing.

The following are the familial relationship(s):

Owner/Employee Name	Related to:	Relationship
1. <u>None</u>		
2. _____		
3. _____		

Attach additional pages if necessary to disclose all familial relationships.

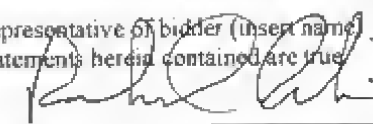
■ There is no familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board, or the Oakland Schools Superintendent.

■ There is no familial relationship that exists between the owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland Schools.

The undersigned, the owner or authorized representative of bidder (insert name) Cedroni Associates, Inc. does hereby Represent and warrant that the disclosure statements herein contained are true.

Richard Cedroni

Prior Name



Signature of Bidder Representative

President

Title

STATE OF MICHIGAN )

) ss

COUNTY OF OAKLAND )

This instrument was acknowledged before me on the 2<sup>nd</sup> day of FEBRUARY, 2013, by Richard Cedroni

  
Notary Public

Macomb County, Michigan

My commission expires: 5/6/18 Acting in the County of: Macomb



# Oakland Schools

## SECTION XI: CONTRACTOR INFORMATION FORM

- A. Company Name: Cedroni Associates, Inc.
- Address: 5639 Auburn Rd City: Utica State/Zip: MI 48317
- Phone: (586) 254-7778 Fax: (586) 254-4517 Website: Cedroni.biz
- Contact Name: Richard Cedroni Contact Title: President
- Contact Phone: (586) 254-7778 Contact Email: cedroniassociates@sbcglobal.net
- B. Business Structure: Corporation (✓) Partnership ( ) Sole Proprietor ( )
- C. Number of years in business as the company named above 43 Years
- D. Largest single contract this company has held \$ 3,039,137.00 With whom? Huron Clinton Metro parks
- E. Annual gross sales for last four (4) years:
- 2011 \_\_\_\_\_ 2010 \_\_\_\_\_ 2009 \_\_\_\_\_ 2008 \_\_\_\_\_
- F. Acknowledgement of addenda #1 2/13/13 RC. #2 2/15/13 RC. #3 2/21/13 RC.
- Date Initials Date Initials Date Initials
- G. Geographical area of operations for your firm Southeast Michigan
- H. Provide business name, contact and telephone numbers of three (3) customers that have purchased products and/or services from your company in the past year, preferably school districts or intermediate school districts.

Business	<u>Huron-Clinton Metropolitan Autho</u>	Contact:	<u>Michael Arens</u>	Telephone	<u>(810)227-2757</u>
Business	<u>Fitzgerald Public Schools</u>	Contact:	<u>Scotty Perks</u>	Telephone	<u>(586)757-5502</u>
Business	<u>Warren Consolidated Schools</u>	Contact:	<u>Casey Sobczak</u>	Telephone	<u>(586)698-4457</u>

### Supplier Authorization

The undersigned certifies that the proposal submitted meets or exceeds, all the specifications, that all conditions noted here are acknowledged, and the firm prices and terms are specified by the bidder are true and accurate.



Signature of Vendor  
Richard Cedroni, President

Print Name & Title

Cedroni Associates, Inc.

Legal Name of the Firm

02/26/2013

Date



SECTION 00410 - PROPOSAL FORM

OWNER: Oakland Schools  
2111 Pontiac Lake Road  
Waterford, Michigan 48328

PROJECT: Oakland Schools  
Video Surveillance Systems

COMPANY: \_\_\_\_\_  
NAME: Cedroni Associates, Inc.  
ADDRESS: 5639 Auburn Road  
Ulica, MI 48317  
CONTACT NAME: Richard Cedroni  
TELEPHONE: (586) 254-7778  
E-MAIL: cedroniassociates@sbcglobal.net

PROPOSAL SUBMITTAL REQUIREMENTS

- A. Provide a complete bill of materials depicting quantities, model numbers, catalog cuts, operating characteristics, physical characteristics and equipment configuration for all equipment, software, wiring and miscellaneous appurtenances included in this proposal.
- B. The proposal information shall be assembled in two (2), three-ring binders complete with Table of Contents. All pages shall have page numbers, which shall be included in the Table of Contents. Binders shall be submitted in separate, sealed envelopes, each clearly labeled with company name, project name, OS RFP number and contents (technical or cost).
- C. The Table of Contents shall be as follows: Binder 1 (Technical Information)
- |    |             |  |
|----|-------------|--|
| 1. | Tab No. 1.1 | Cover Letter   |
| 2. | Tab No. 1.2 | Names and Company Profiles for Prime Contractors, Major Subcontractors and Major Suppliers |
| 3. | Tab No. 1.3 | Organizational Chart/Schedule/Manpower   |
| 4. | Tab No. 1.4 | Wiring and Equipment   |
| 5. | Tab No. 1.5 | Maintenance Agreements and Service Agreements and Warranties                               |
| 6. | Tab No. 1.6 | Miscellaneous (optional)   |
- D. Table of Contents shall be as follows: Binder 2 (Cost Information)
- |    |             |                      |
|----|-------------|----------------------|
| 1. | Tab No. 2.1 | Proposal Form        |
| 2. | Tab No. 2.2 | Bill of Materials    |
| 3. | Tab No. 2.3 | Voluntary Alternates |

E. Description of Contents: Binder 1 (Technical Information)

1. Tab No. 1.1: Cover letter, shall include an executive overview of the project depicting the Bidder's complete understanding of the project.
2. Tab No. 1.2: List the names and company profiles for Prime Contractor, Major Subcontractors and Major Suppliers. In addition to the above information, describe each of the following:
  - a. The roles of the Prime Contractor, Subcontractors and Suppliers.
  - b. Description of corporate history for the Prime Contractor and planned Subcontractors, including dates of incorporation/founding, dates of any corporate mergers and/or acquisitions of Contractors and all present and former subsidiaries.
  - c. The number of years installing similar systems in facilities similar to the Owner's.
  - d. List of references that would be considered peers to the Owner utilizing similar systems.
  - e. Name of active projects, their sites and scope of work.
  - f. Provide recent customer references for similar work performed during the past twelve (12) months and provide documentation on installation staff training and certification.
  - g. Indicate whether Prime Contractor or any planned Subcontractor are currently in litigation over other projects or have been involved in litigation over other projects in the previous five (5) years.
3. Tab No. 1.3: Organizational chart shall depict the prime contractor, the subcontractors, major suppliers, trainers, project managers, name of project leader, superintendents, executive staff of each firm, service staff, the names of the individuals occupying those positions, telephone numbers, facsimile numbers and e-mail addresses of all individuals on the organizational chart.
  - a. Provide a detailed schedule, indicating specific dates that you would plan to be working within the building(s). This schedule shall include major milestones required to achieve the completion dates previously specified.
4. Tab No. 1.4: Wiring and equipment shall include the following information:
  - a. Description of system operation.
  - b. Complete bill of materials indicating quantities and take-offs for the products being provided.

Note: Separate labor and materials cost shall be provided for all materials in Binder 2. Refer to F.2.2.
  - c. Equipment model numbers.
  - d. Catalog cuts for all equipment being provided.
  - e. Manufacturer's product specifications and installation instructions.
  - f. A complete itemization of any software products with catalog cuts.
  - g. Software product specifications and installation instructions, if applicable.
5. Tab Nos. 1.5 and 1.6 are self-descriptive as to their intended content.

F. Description of Contents: Binder 2 (Cost Information)

1. Tab No. 2.1: Proposal Form shall include a completed proposal.
2. Tab No. 2.2: Bill of Materials shall separate labor and materials cost on an item-by-item and on a building-by-building basis.
3. Tab No. 2.3: Voluntary alternates, in a section, which is optional and made available to permit all Bidders to submit alternates to the Bidding Documents. These voluntary alternates shall clearly define the intent of the alternate, cost impact to implement the alternates, and a description of the deviation in functions and features between the alternates and the base Bidding Documents. Include catalog cuts in this section for each alternate product required. The catalog cuts shall be

keyed to the description of the alternate. Each alternate shall be independent of any alternate and shall be uniquely identified, i.e. TAL-1 (Technology Alternate No. 1), TAL-2, TAL-2, etc.

- G. Information provided in both binders shall clearly identify the facilities to which the technical and cost information applies.

## PROPOSAL

The undersigned proposes and agrees to furnish equipment, materials, and labor and perform all work necessary to complete the Oakland Schools Contract for Video Surveillance Systems, in accordance with the Proposal Documents dated February 5, 2013, and agrees to accept payment as herein provided.

Lump Sum proposals shall be provided for each District and building as indicated below.

Lump sum proposals shall be inclusive of all applicable taxes for all work specified.

Costs shall be provided using the following definitions:

Video Management System shall include the costs for software, licensing, programming, labor and other miscellaneous required for a complete Video Management System.

Cameras shall include the cost for all cameras, housings, mounts, engineering and labor and required for a complete camera installation.

Base Storage Infrastructure shall include engineering, programming, licensing, enclosures, shelves, controllers, switches, cabling and other miscellaneous required for a complete video storage system (do not include drives for storage)

Pro-rated Storage shall include drives sized appropriately per facility for video storage. Installation of drives will be at the Oakland Schools Administration Building but costs allocated per site.

<u>District &amp; Buildings</u>	<u>Material Cost</u>	<u>Labor Cost</u>	<u>Total Cost</u>	<u>Man Hours</u>
<b>Oakland Schools</b>				
<b>1. Administration Building</b>				
Video Management System	\$ 12550	\$2925	\$ 15475	45 hrs
Cameras	\$7650	\$2145	\$ 9795	33 hrs
Base Storage Infrastructure	\$ 4899	\$1040	\$ 5939	16 hrs
Pro-rated Storage	\$ 1260	\$260	\$ 1520	4 hrs
Total Cost - Admin Bldg	\$ 26,359.00	\$6,370.00	\$ 32,729.00	98 hrs
<b>2. Southwest Campus</b>				
Video Management System	\$9850	\$ 2925	\$12775	45 hrs
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**3. Royal Oak Schools**

**1. Royal Oak High School**

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<b>Total Cost - ROHS</b>	<b>\$ 25,060.00</b>	<b>\$ 9,230.00</b>	<b>\$ 34,290.00</b>	<b>142</b>	<b>hrs</b>

**4. Clawson Public Schools**

**1. Clawson High School**

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Cameras	\$ 4500	\$ 1950	\$ 6450	30	hrs
Pro-rated Storage	\$ 1260	\$ 260	\$ 1520	4	hrs
<b>Total Cost - CHS</b>	<b>\$ 15,610.00</b>	<b>\$ 5,135.00</b>	<b>\$ 20,745.00</b>	<b>79</b>	<b>hrs</b>

**MANDATORY ALTERNATES**

Mandatory Alternate No. 1: Provide all hardware, software, services and licensing to integrate Oakland Schools' existing video surveillance systems into the new proposed video surveillance system. Refer to Section 16760, paragraph "INTEGRATION OF EXISTING VIDEO SURVEILLANCE SYSTEMS (ALTERNATE)" for detailed requirements.

Add/Deduct \_\_\_\_\_  
**Eighty Four Hundred Fifty** Dollars (\$ **8450.00** ).

**VOLUNTARY ALTERNATES**

Voluntary Alternate No. 1: **Touch-Zoom Technology**

Add/Deduct **27" Wide screen 720p LCD with Touch overlay Each**  
**Eight Hundred Eighty Three** Dollars (\$ **883.00** ).

Voluntary Alternate No. 2: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).

Voluntary Alternate No. 3: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).

- UP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>614</u>	\$ _____	Onvis v1.02
Wall Arm Mount	\$ <u>614</u>	\$ _____	Onvis v1.02
Corner Mount	\$ <u>614</u>	\$ _____	Onvis v1.02

- UP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

- UP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>450</u>	\$ _____	Owner Supplied

- UP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

- UP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	N/A

- UP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ _____	QNAP
50 TB	\$ <u>10760</u>	\$ _____	QNAP
100 TB	\$ <u>19200</u>	\$ _____	QNAP

# **EXTENDED UNIT PRICES**

The Contractor proposes Extended Unit Prices in accordance with the following schedule. Extended unit prices shall include all charges for labor, materials, and equipment, overhead, profit, inflation, escalation, general conditions, supervision, insurance, applicable taxes and incidental expenses.

EUP No. 1: Cost to provide and install one (1) interior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling costs.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>569</u>	\$ _____	Onvis v1.02
Wall Arm Mount	\$ <u>569</u>	\$ _____	Onvis v1.02
Corner Mount	\$ <u>569</u>	\$ _____	Onvis v1.02

EUP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>614</u>	\$ _____	Onvis v1.02
Wall Arm Mount	\$ <u>614</u>	\$ _____	Onvis v1.02
Corner Mount	\$ <u>614</u>	\$ _____	Onvis v1.02

EUP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

EUP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>450</u>	\$ _____	Owner Supplied

EUP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

EUP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	N/A

EUP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ <u>          </u>	<u>QNAP</u>
50 TB	\$ <u>10760</u>	\$ <u>          </u>	<u>QNAP</u>
100 TB	\$ <u>19200</u>	\$ <u>          </u>	<u>QNAP</u>

#### TAXES

Installation services for the tangible personal property purchased by the Owner are not subject to sales taxation. Moreover, the Owner is exempt from taxation on all tangible personal property purchase by the Owner for its use and consumption; however this exemption would not apply to any materials required under the Contract Documents that are deemed to be a component of a construction/improvement project to the Owner's facilities. All prices submitted on the Bid Form shall be inclusive of all applicable taxes.

#### ADDENDA

The undersigned acknowledges the receipt of the following addenda:

Addendum No. <u>1</u>	Dated <u>02/13/2013</u>	Addendum No. <u>2</u>	Dated <u>02/15/2013</u>
Addendum No. <u>3</u>	Dated <u>02/21/2013</u>	Addendum No. <u>      </u>	Dated <u>          </u>
Addendum No. <u>      </u>	Dated <u>          </u>	Addendum No. <u>      </u>	Dated <u>          </u>

#### TIME OF COMPLETION

The undersigned agrees to substantially complete the project by May 31, 2013:

#### WITHDRAWAL OF PROPOSAL

The undersigned agrees that its Proposal shall not be withdrawn for a period of ninety (90) days after the date set for receipt of Proposals.

#### NON-COLLUSION

The undersigned certifies that the Proposal has not been prepared in collusion with any other Contractor and that the prices, discounts, terms and conditions thereof have not been directly or indirectly communicated by or on behalf of the Contractor to any such person other than the recipient of such Proposal, and will not be communicated to any such person prior to the official opening of said Proposal. The undersigned fully understands that no premiums, rebates, or gratuities are permitted either with, prior to or after signing the Contract.

This certification may be treated as if it were a sworn statement made under oath, and is made subject to the provisions of 18 U. S. C., 1001, relating to the making of false statements.

**SIGNATURE AND LEGAL STATUS OF BIDDER**

Signed and sealed this 26th day of February, 2013.

Corporation

(Individual, Partnership, Corporation)

Michigan

State of Incorporation

Affix Corporate Seal

By:

(Authorized Signature of Bidder)

Richard Cedroni

(Print or Type Name of Bidder)

President

Title

5639 Auburn Rd., Utica, MI 48317

Business Address

cedroniassociates@sbcglobal.net

E-mail

Instructions: Submit one (1) original and two (2) copies to the Owner and retain one (1) copy for the Contractor's records. Clearly label each copy submitted as either "original" or "copy".

**END OF PROPOSAL FORM**





# OaklandSchools

## SECTION VIII: CERTIFICATION

RFP 13-0019 Video Surveillance System

Contractor hereby certifies the following by checking yes or no by each item.

	<u>Yes</u>	<u>No</u>
1. That the Contractor has carefully examined the instructions and specifications and will furnish this material/product with such specifications for the price set forth in this proposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All conditions noted in the proposal are understood and acknowledged.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Contractor's terms as specified are true and correct.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. That the Contractor has carefully checked the enclosed figures and understands that they shall be responsible for any error or omission in the proposal offer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Respondents must attest in writing that they have sought answers to any questions they may have regarding the form or substance of this IFB, and that they waived any right to protest the selection process up to the point of selection of firms to be interviewed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. This proposal contains the entire understanding of the parties and supersedes all prior understandings, agreements, or representations by or between the parties, whether oral or written, which in any way relate to the subject matter of this agreement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Execution of this contract constitutes a representation by the Contractor that to the best of the Contractor's knowledge no conflict of interest exists between the District representatives and the Contractor or its employees and agents.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. This proposal is made without any previous understanding or agreement with any other person, firm or corporation submitting a proposal for the same purpose and in all respects is fair and without collusion or fraud. The bidder certifies that it has not divulged, discussed or compared its proposal with other bidders and has not colluded with any other bidder or parties to a proposal whatsoever.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

As an awarded contract, the above bidder agrees to provide the scope of work in this Request for Proposal, including all terms and conditions, special provisions, specifications, addenda, questions and corresponding answers, and the bid as set forth in these Contract Documents. *The parties intend for this to become part of the final and complete agreement between Oakland Schools and the Contractor.*

Richard Cedroni

President

02/26/2013

Name (Print)

Title

Signature

Date

### ACCEPTANCE OF PROPOSAL: (To be completed by the contracting officer AFTER Board approval)

This proposal for said services and/or solution is hereby selected and has been approved by the Board of Education at date indicated below. As an awarded Contractor, your firm is bound to provide the services and/or solution per the attached, including all terms, conditions, specifications, and addenda as set forth in the Request for Proposal. The parties intend this award to constitute the final and complete agreement between the Oakland Schools and Contractor, and no other agreements, oral or otherwise, regarding the subject matter of this agreement, shall bind any of the parties hereto unless agreed in writing.

Name (Print)

Title

Signature

Date

Board of Education Approval

Service Contract (SC) No



**Oakland Schools**

**SECTION IX: NOTARIZED FAMILIAL and RELATIONSHIP DISCLOSURE**

(Return completed and notarized form with bid)

Pursuant to MCL 380.1267, a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board or the Oakland Schools Superintendent must be accompanied with the bid. Bids without this disclosure statement will not be accepted. The members of the Oakland Schools Board are: **Barbara DeMarco, George Ehler, Marc Katz, Theresa Rich, and Connie Williams**, and the Oakland Schools' Superintendent is **Vickie L. Markavitch**.

Further, the undersigned, the owner or authorized officer of Cedroni Associates, Inc. (the "Contractor"), pursuant to the Familial and Relationship Disclosure requirement provided in the Oakland Schools (the "School District") Request for Proposal for **Video Surveillance System**, hereby represents and warrants that, except as provided below, no business or other relationship exists between any owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland School, including, but not limited to an employment, service, or other ownership or business relationship. As used herein, "family member" means a person's spouse or spouse's sibling or child, a person's sibling or sibling's spouse or child, a person's child or child's spouse, or a person's parent or parent's spouse, and includes these relationships as created by adoption or marriage. Contractor further warrants and agrees that if any such relationship is established after submission of the Proposal/Bid or after entering into the contract with Oakland Schools, Contractor shall immediately disclose the type and nature of such relationship to Oakland Schools in writing.

The following are the familial relationship(s):

	<u>Owner/Employee Name</u>	<u>Related to:</u>	<u>Relationship</u>
1	<u>None</u>		
2			
3			

Attach additional pages if necessary to disclose all familial relationships.

☒ There is no familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board, or the Oakland Schools Superintendent.

☒ There is no familial relationship that exists between the owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland Schools.

The undersigned, the owner or authorized representative of bidder (insert name) Cedroni Associates, Inc. does hereby Represent and warrant that the disclosure statements herein contained are true.

Richard Cedroni

Print Name

  
Signature of Bidder Representative

President

Title

STATE OF MICHIGAN )

COUNTY OF OAKLAND ) ss

This instrument was acknowledged before me on the 26<sup>th</sup> day of FEBRUARY, 2013, by RICHARD CEDRONI

  
Notary Public

Macomb County, Michigan

My commission expires: 5/6/18 Acting in the County of: Macomb



# OaklandSchools

## SECTION XI: CONTRACTOR INFORMATION FORM

- A. Company Name: Cedroni Associates, Inc.  
 Address: 5639 Auburn Rd City: Utica State/Zip: MI 48317  
 Phone: (586) 254-7778 Fax: (586) 254-4517 Website: Cedroni.biz  
 Contact Name: Richard Cedroni Contact Title: President  
 Contact Phone: (586) 254-7778 Contact Email: cedroniassociates@sbcglobal.net
- B. Business Structure: Corporation (✓) Partnership ( ) Sole Proprietor ( )
- C. Number of years in business as the company named above 43 Years
- D. Largest single contract this company has held \$ 3,039,137.00 With whom? Huron Clinton Metro parks
- E. Annual gross sales for last four (4) years:  
 2011 \_\_\_\_\_ 2010 \_\_\_\_\_ 2009 \_\_\_\_\_ 2008 \_\_\_\_\_
- F. Acknowledgement of addenda #1 2/13/13 RL #2 2/15/13 RL #3 2/21/13 RL  
 Date Initials Date Initials Date Initials
- G. Geographical area of operations for your firm Southeast Michigan
- H. Provide business name, contact and telephone numbers of three (3) customers that have purchased products and/or services from your company in the past year, preferably school districts or intermediate school districts.

Business	<u>Huron-Clinton Metropolitan Autho</u>	Contact:	<u>Michael Arens</u>	Telephone:	<u>(810)227-2757</u>
Business	<u>Fitzgerald Public Schools</u>	Contact:	<u>Scooty Perks</u>	Telephone:	<u>(586)757-5502</u>
Business	<u>Warren Consolidated Schools</u>	Contact:	<u>Casey Sobczak</u>	Telephone:	<u>(586)698-4457</u>

### Supplier Authorization

The undersigned certifies that the proposal submitted meets or exceeds, all the specifications, that all conditions noted here are acknowledged, and the firm prices and terms are specified by the bidder are true and accurate



Signature of Vendor

Richard Cedroni President

Print Name & Title

Cedroni Associates, Inc

Legal Name of the Firm

02/26/2013

Date

SECTION 00410 - PROPOSAL FORM

OWNER: Oakland Schools  
2111 Pontiac Lake Road  
Waterford, Michigan 48328

PROJECT: Oakland Schools  
Video Surveillance Systems

COMPANY:

NAME: Cedroni Associates, Inc.

ADDRESS: 5639 Auburn Road

Utica, MI 48317

CONTACT NAME: Richard Cedroni

TELEPHONE: (586) 254-7778

E-MAIL: cedroniassociates@sbcglobal.net

PROPOSAL SUBMITTAL REQUIREMENTS

- A. Provide a complete bill of materials depicting quantities, model numbers, catalog cuts, operating characteristics, physical characteristics and equipment configuration for all equipment, software, wiring and miscellaneous appurtenances included in this proposal.
- B. The proposal information shall be assembled in two (2), three-ring binders complete with Table of Contents. All pages shall have page numbers, which shall be included in the Table of Contents. Binders shall be submitted in separate, sealed envelopes, each clearly labeled with company name, project name, OS RFP number and contents (technical or cost).
- C. The Table of Contents shall be as follows: Binder 1 (Technical Information)
- |    |             |  |
|----|-------------|--|
| 1. | Tab No. 1.1 | Cover Letter   |
| 2. | Tab No. 1.2 | Names and Company Profiles for Prime Contractors, Major Subcontractors and Major Suppliers |
| 3. | Tab No. 1.3 | Organizational Chart/Schedule/Manpower   |
| 4. | Tab No. 1.4 | Wiring and Equipment   |
| 5. | Tab No. 1.5 | Maintenance Agreements and Service Agreements and Warranties                               |
| 6. | Tab No. 1.6 | Miscellaneous (optional)   |
- D. Table of Contents shall be as follows: Binder 2 (Cost Information)
- |    |             |                      |
|----|-------------|----------------------|
| 1. | Tab No. 2.1 | Proposal Form        |
| 2. | Tab No. 2.2 | Bill of Materials    |
| 3. | Tab No. 2.3 | Voluntary Alternates |

E. Description of Contents: Binder 1 (Technical Information)

1. Tab No. 1.1: Cover letter, shall include an executive overview of the project depicting the Bidder's complete understanding of the project.
2. Tab No. 1.2: List the names and company profiles for Prime Contractor, Major Subcontractors and Major Suppliers. In addition to the above information, describe each of the following:
  - a. The roles of the Prime Contractor, Subcontractors and Suppliers.
  - b. Description of corporate history for the Prime Contractor and planned Subcontractors, including dates of incorporation/founding, dates of any corporate mergers and/or acquisitions of Contractors and all present and former subsidiaries.
  - c. The number of years installing similar systems in facilities similar to the Owner's.
  - d. List of references that would be considered peers to the Owner utilizing similar systems.
  - e. Name of active projects, their sites and scope of work.
  - f. Provide recent customer references for similar work performed during the past twelve (12) months and provide documentation on installation staff training and certification.
  - g. Indicate whether Prime Contractor or any planned Subcontractor are currently in litigation over other projects or have been involved in litigation over other projects in the previous five (5) years.
3. Tab No. 1.3: Organizational chart shall depict the prime contractor, the subcontractors, major suppliers, trainers, project managers, name of project leader, superintendents, executive staff of each firm, service staff, the names of the individuals occupying those positions, telephone numbers, facsimile numbers and e-mail addresses of all individuals on the organizational chart.
  - a. Provide a detailed schedule, indicating specific dates that you would plan to be working within the building(s). This schedule shall include major milestones required to achieve the completion dates previously specified.
4. Tab No. 1.4: Wiring and equipment shall include the following information:
  - a. Description of system operation.
  - b. Complete bill of materials indicating quantities and take-offs for the products being provided.

Note: Separate labor and materials cost shall be provided for all materials in Binder 2. Refer to F.2.2.
  - c. Equipment model numbers.
  - d. Catalog cuts for all equipment being provided.
  - e. Manufacturer's product specifications and installation instructions.
  - f. A complete itemization of any software products with catalog cuts.
  - g. Software product specifications and installation instructions, if applicable.
5. Tab Nos. 1.5 and 1.6 are self-descriptive as to their intended content.

F. Description of Contents: Binder 2 (Cost Information)

1. Tab No. 2.1: Proposal Form shall include a completed proposal.
2. Tab No. 2.2: Bill of Materials shall separate labor and materials cost on an item-by-item and on a building-by-building basis.
3. Tab No. 2.3: Voluntary alternates, in a section, which is optional and made available to permit all Bidders to submit alternates to the Bidding Documents. These voluntary alternates shall clearly define the intent of the alternate, cost impact to implement the alternates, and a description of the deviation in functions and features between the alternates and the base Bidding Documents. Include catalog cuts in this section for each alternate product required. The catalog cuts shall be

keyed to the description of the alternate. Each alternate shall be independent of any alternate and shall be uniquely identified, i.e. TAL-1 (Technology Alternate No. 1), TAL-2, TAL-2, etc.

- G. Information provided in both binders shall clearly identify the facilities to which the technical and cost information applies.

## PROPOSAL

The undersigned proposes and agrees to furnish equipment, materials, and labor and perform all work necessary to complete the Oakland Schools Contract for Video Surveillance Systems, in accordance with the Proposal Documents dated February 5, 2013, and agrees to accept payment as herein provided.

Lump Sum proposals shall be provided for each District and building as indicated below.

Lump sum proposals shall be inclusive of all applicable taxes for all work specified.

Costs shall be provided using the following definitions:

Video Management System shall include the costs for software, licensing, programming, labor and other miscellaneous required for a complete Video Management System.

Cameras shall include the cost for all cameras, housings, mounts, engineering and labor and required for a complete camera installation.

Base Storage Infrastructure shall include engineering, programming, licensing, enclosures, shelves, controllers, switches, cabling and other miscellaneous required for a complete video storage system (do not include drives for storage)

Pro-rated Storage shall include drives sized appropriately per facility for video storage. Installation of drives will be at the Oakland Schools Administration Building but costs allocated per site.

District & Buildings	Material Cost	Labor Cost	Total Cost	Man Hours
<b>Oakland Schools</b>				
<b>1. Administration Building</b>				
Video Management System	\$12550	\$2925	\$15475	45 hrs
Cameras	\$7650	\$2145	\$9795	33 hrs
Base Storage Infrastructure	\$4899	\$1040	\$5939	16 hrs
Pro-rated Storage	\$1260	\$260	\$1520	4 hrs
Total Cost - Admin Bldg	\$26,359.00	\$6,370.00	\$32,729.00	98 hrs
<b>2. Southwest Campus</b>				
Video Management System	\$9850	\$2925	\$12775	45 hrs
Cameras	\$10800	\$4680	\$15480	72 hrs
Pro-rated Storage	\$1260	\$260	\$1520	4 hrs
Total Cost - SW Campus	\$21,910.00	\$7,865.00	\$29,775.00	121 hrs
<b>District Total - Oakland Schools</b>	<b>\$48,269.00</b>	<b>\$14,235.00</b>	<b>\$62,504.00</b>	<b>219 hrs</b>

**3. Royal Oak Schools**

**1. Royal Oak High School**

Video Management System	<u>\$ 9850</u>	<u>\$ 2925</u>	<u>\$ 12775</u>	<u>45</u> hrs
Cameras	<u>\$ 13950</u>	<u>\$ 6045</u>	<u>\$ 19995</u>	<u>93</u> hrs
Pro-rated Storage	<u>\$ 1260</u>	<u>\$ 260</u>	<u>\$ 1520</u>	<u>4</u> hrs
<b>Total Cost - ROHS</b>	<u>\$ 25,060.00</u>	<u>\$ 9,230.00</u>	<u>\$ 34,290.00</u>	<u>142</u> hrs

**4. Clawson Public Schools**

**1. Clawson High School**

Video Management System	<u>\$ 9850</u>	<u>\$ 2925</u>	<u>\$ 12775</u>	<u>45</u> hrs
Cameras	<u>\$ 4500</u>	<u>\$ 1950</u>	<u>\$ 6450</u>	<u>30</u> hrs
Pro-rated Storage	<u>\$ 1260</u>	<u>\$ 260</u>	<u>\$ 1520</u>	<u>4</u> hrs
<b>Total Cost-CHS</b>	<u>\$ 15,610.00</u>	<u>\$ 5,135.00</u>	<u>\$ 20,745.00</u>	<u>79</u> hrs

**MANDATORY ALTERNATES**

Mandatory Alternate No. 1: Provide all hardware, software, services and licensing to integrate Oakland Schools' existing video surveillance systems into the new proposed video surveillance system. Refer to Section 16760, paragraph "INTEGRATION OF EXISTING VIDEO SURVEILLANCE SYSTEMS (ALTERNATE)" for detailed requirements.

Add/Deduct \_\_\_\_\_  
**Eighty Four Hundred Fifty** Dollars (\$ 8450.00 ).

**VOLUNTARY ALTERNATES**

Voluntary Alternate No. 1: Touch-Zoom Technology

Add/Deduct 27" Wide screen 720p LCD with Touch overlay Each  
**Eight Hundred Eighty Three** Dollars (\$ 883.00 ).

Voluntary Alternate No. 2: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).

Voluntary Alternate No. 3: \_\_\_\_\_

Add/Deduct \_\_\_\_\_  
 \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ ).

#### UNIT PRICES

The Contractor proposes Unit Prices in accordance with the following schedule. Said unit prices shall include all charges for labor, materials and equipment, overhead and profit, general conditions, supervision, insurance, applicable taxes and incidental expenses.

Said unit prices shall be applicable to the pricing of additions to, or deletions from, the work indicated in the Contract Documents.

#### Section 16760 – Video Surveillance System

UP No. 1: Cost to provide and install one (1) interior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling costs.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>
Wall Arm Mount	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>
Corner Mount	\$ <u>569</u>	\$ _____	<u>Onvis v1.02</u>



- UP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>614</u>	\$ _____	Onvis v1.02
Wall Arm Mount	\$ <u>614</u>	\$ _____	Onvis v1.02
Corner Mount	\$ <u>614</u>	\$ _____	Onvis v1.02

- UP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

- UP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>450</u>	\$ _____	Owner Supplied

- UP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

- UP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

ADD	DEDUCT	MANUFACTURER
\$ <u>N/A</u>	\$ <u>N/A</u>	N/A

- UP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ _____	QNAP
50 TB	\$ <u>10760</u>	\$ _____	QNAP
100 TB	\$ <u>19200</u>	\$ _____	QNAP

# **EXTENDED UNIT PRICES**

The Contractor proposes Extended Unit Prices in accordance with the following schedule. Extended unit prices shall include all charges for labor, materials, and equipment, overhead, profit, inflation, escalation, general conditions, supervision, insurance, applicable taxes and incidental expenses.

EUP No. 1: Cost to provide and install one (1) interior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling costs.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>569</u>	\$ <u>          </u>	Onvis v1.02
Wall Arm Mount	\$ <u>569</u>	\$ <u>          </u>	Onvis v1.02
Corner Mount	\$ <u>569</u>	\$ <u>          </u>	Onvis v1.02

EUP No. 2: Cost to provide and install one (1) exterior fixed video surveillance camera as specified. Include camera, lens, dome, mount and VMS camera license. Do not include data cabling cost.

	ADD	DEDUCT	MANUFACTURER
Ceiling Mount Flush	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02
Wall Arm Mount	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02
Corner Mount	\$ <u>614</u>	\$ <u>          </u>	Onvis v1.02

EUP No. 3: Cost to provide one (1) VMS camera license for an existing camera.

	ADD	DEDUCT	MANUFACTURER
	\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

EUP No. 4: Cost to provide and install one (1) secondary viewing workstation client as specified. Include all software and licensing complete.

	ADD	DEDUCT	MANUFACTURER
	\$ <u>450</u>	\$ <u>          </u>	Owner Supplied

EUP No. 5: Cost to provide one (1) mobile client license as specified. Include all software and licensing complete.

	ADD	DEDUCT	MANUFACTURER
	\$ <u>N/A</u>	\$ <u>N/A</u>	QNAP

EUP No. 6: Cost to provide, install and program one (1) video management system on Owner-provided virtual or physical servers. Include all hardware, software and programming complete. (Do not include video storage hardware.)

	ADD	DEDUCT	MANUFACTURER
	\$ <u>N/A</u>	\$ <u>N/A</u>	N/A

EUP No. 7: Cost to provide, install and program redundant usable storage as specified. Include all hardware, software and programming complete (do not include the video management system).

	ADD	DEDUCT	MANUFACTURER
25 TB	\$ <u>8520</u>	\$ <u>          </u>	<u>QNAP</u>
50 TB	\$ <u>10760</u>	\$ <u>          </u>	<u>QNAP</u>
100 TB	\$ <u>19200</u>	\$ <u>          </u>	<u>QNAP</u>

#### TAXES

Installation services for the tangible personal property purchased by the Owner are not subject to sales taxation. Moreover, the Owner is exempt from taxation on all tangible personal property purchase by the Owner for its use and consumption; however this exemption would not apply to any materials required under the Contract Documents that are deemed to be a component of a construction/improvement project to the Owner's facilities. All prices submitted on the Bid Form shall be inclusive of all applicable taxes.

#### ADDENDA

The undersigned acknowledges the receipt of the following addenda:

Addendum No. <u>1</u>	Dated <u>02/13/2013</u>	Addendum No. <u>2</u>	Dated <u>02/15/2013</u>
Addendum No. <u>3</u>	Dated <u>02/21/2013</u>	Addendum No. <u>      </u>	Dated <u>          </u>
Addendum No. <u>      </u>	Dated <u>          </u>	Addendum No. <u>      </u>	Dated <u>          </u>

#### TIME OF COMPLETION

The undersigned agrees to substantially complete the project by May 31, 2013:

#### WITHDRAWAL OF PROPOSAL

The undersigned agrees that its Proposal shall not be withdrawn for a period of ninety (90) days after the date set for receipt of Proposals.

#### NON-COLLUSION

The undersigned certifies that the Proposal has not been prepared in collusion with any other Contractor and that the prices, discounts, terms and conditions thereof have not been directly or indirectly communicated by or on behalf of the Contractor to any such person other than the recipient of such Proposal, and will not be communicated to any such person prior to the official opening of said Proposal. The undersigned fully understands that no premiums, rebates, or gratuities are permitted either with, prior to or after signing the Contract.

This certification may be treated as if it were a sworn statement made under oath, and is made subject to the provisions of 18 U. S. C., 1001, relating to the making of false statements.

**SIGNATURE AND LEGAL STATUS OF BIDDER**

Signed and sealed this 26th day of February, 20 13.

Corporation

(Individual, Partnership, Corporation)

Michigan

State of Incorporation

Affix Corporate Seal

By:

[Authorized Signature of Bidder]

Richard Cedroni

(Print or Type Name of Bidder)

President

Title

5639 Auburn Rd., Utica, MI 48317

Business Address

cedroniassociates@sbcglobal.net

E-mail

Instructions: Submit one (1) original and two (2) copies to the Owner and retain one (1) copy for the Contractor's records. Clearly label each copy submitted as either "original" or "copy".

**END OF PROPOSAL FORM**



# Oakland Schools

## SECTION VIII: CERTIFICATION

RF1\* 13-0019 Video Surveillance System

Contractor hereby certifies the following by checking yes or no by each item.

	<u>Yes</u>	<u>No</u>
1. That the Contractor has carefully examined the instructions and specifications and will furnish this material/product with such specifications for the price set forth in this proposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All conditions noted in the proposal are understood and acknowledged	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Contractor's terms as specified are true and correct	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. That the Contractor has carefully checked the enclosed figures and understands that they shall be responsible for any error or omission in the proposal offer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Respondents must attest in writing that they have sought answers to any questions they may have regarding the form or substance of this IFB, and that they waived any right to protest the selection process up to the point of selection of firms to be interviewed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. This proposal contains the entire understanding of the parties and supersedes all prior understandings, agreements, or representations by or between the parties, whether oral or written, which in any way relate to the subject matter of this agreement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Execution of this contract constitutes a representation by the Contractor that to the best of the Contractor's knowledge no conflict of interest exists between the District representatives and the Contractor or its employees and agents.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. This proposal is made without any previous understanding or agreement with any other person, firm or corporation submitting a proposal for the same purpose and in all respects is fair and without collusion or fraud. The bidder certifies that it has not divulged, discussed or compared its proposal with other bidders and has not colluded with any other bidder or parties to a proposal whatsoever.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

As an awarded contract, the above bidder agrees to provide the scope of work in this Request for Proposal, including all terms and conditions, special provisions, specifications, addenda, questions and corresponding answers, and the bid as set forth in these Contract Documents. *The parties intend for this to become part of the final and complete agreement between Oakland Schools and the Contractor.*

Richard Cedroni

President

02/28/2013

Name (Print)

Title

Signature

Date

### ACCEPTANCE OF PROPOSAL: (To be completed by the contracting officer AFTER Board approval)

This proposal for said services and/or solution is hereby selected and has been approved by the Board of Education at date indicated below. As an awarded Contractor, your firm is bound to provide the services and/or solution per the attached, including all terms, conditions, specifications, and addenda as set forth in the Request for Proposal. The parties intend this award to constitute the final and complete agreement between the Oakland Schools and Contractor, and no other agreements, oral or otherwise, regarding the subject matter of this agreement, shall bind any of the parties hereto unless agreed in writing.

Name (Print)

Title

Signature

Date

Board of Education Approval: \_\_\_\_\_

Service Contract (SC) No. \_\_\_\_\_



**OaklandSchools**

**SECTION IX: NOTARIZED FAMILIAL and RELATIONSHIP DISCLOSURE**

(Return completed and notarized form with bid)

Pursuant to MCL 380.1267, a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board or the Oakland Schools Superintendent must be accompanied with the bid. Bids without this disclosure statement will not be accepted. The members of the Oakland Schools Board are: **Barbara DeMarco, George Ehler, Marc Katz, Theresa Rich, and Connie Williams**, and the Oakland Schools' Superintendent is **Yickie L. Markavitch**.

Further, the undersigned, the owner or authorized officer of Cedroni Associates, Inc. (the "Contractor"), pursuant to the Familial and Relationship Disclosure requirement provided in the Oakland Schools (the "School District") Request for Proposal for **Video Surveillance System**, hereby represents and warrants that, except as provided below, no business or other relationship exists between any owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland School, including, but not limited to an employment, service, or other ownership or business relationship. As used herein, "family member" means a person's spouse or spouse's sibling or child, a person's sibling or sibling's spouse or child, a person's child or child's spouse; or a person's parent or parent's spouse, and includes these relationships as created by adoption or marriage. Contractor further warrants and agrees that if any such relationship is established after submission of the Proposal/Bid or after entering into the contract with Oakland Schools, Contractor shall immediately disclose the type and nature of such relationship to Oakland Schools in writing.

The following are the familial relationship(s):

<u>Owner/Employee Name</u>	<u>Related to:</u>	<u>Relationship</u>
1. <u>None</u>		
2. _____		
3. _____		

Attach additional pages if necessary to disclose all familial relationships.

☒ There is no familial relationship that exists between the owner or any employee of the bidder and any member of the Oakland Schools Board, or the Oakland Schools Superintendent.

☒ There is no familial relationship that exists between the owner, officer, director or administrator of Contractor, or any employee of Contractor who is involved in this procurement and contracting process, and any board member, administrator or employee of Oakland Schools, or any family member of any board member, administrator or employee of Oakland Schools.

The undersigned, the owner or authorized representative of bidder (insert name) Cedroni Associates, Inc. does hereby Represent and warrant that the disclosure statements herein contained are true.

Richard Cedroni

Print Name

  
Signature of Bidder Representative

President

Title

STATE OF MICHIGAN )

) ss

COUNTY OF OAKLAND )

This instrument was acknowledged before me on the 26<sup>th</sup> day of FEBRUARY, 2013, by RICHARD CEDRONI

  
Notary Public

MACOMB County, Michigan

My commission expires: 5/6/18 Acting in the County of: MACOMB



# OaklandSchools

## SECTION XI: CONTRACTOR INFORMATION FORM

A. Company Name: Cedroni Associates, Inc.

Address: 5639 Auburn Rd City: Utica State/Zip: MI 48317

Phone: (586) 254-7778 Fax: (586) 254-4517 Website: Cedroni.biz

Contact Name: Richard Cedroni Contact Title: President

Contact Phone: (586) 254-7778 Contact Email: cedroniassocaites@sbcglobal.net

B. Business Structure: Corporation ☒ Partnership ☐ Sole Proprietor ☐

C. Number of years in business as the company named above 43 Years

D. Largest single contract this company has held \$ 3,039,137.00 With whom? Huron Clinton Metro parks

E. Annual gross sales for last four (4) years:

2011 \_\_\_\_\_ 2010 \_\_\_\_\_ 2009 \_\_\_\_\_ 2008 \_\_\_\_\_

F. Acknowledgement of addenda #1 2/13/13 RC. #2 2/15/13 RC. #3 2/21/13 RC.  
Date Initials Date Initials Date Initials

G. Geographical area of operations for your firm Southeast Michigan

H. Provide business name, contact and telephone numbers of three (3) customers that have purchased products and/or services from your company in the past year, preferably school districts or intermediate school districts.

Business Huron-Clinton Metropolitan Autho Contact Michael Arens Telephone (810)227-2757

Business Fitzgerald Public Schools Contact Sooty Perks Telephone (586)757-5502

Business Warren Consolidated Schools Contact Casey Sobczak Telephone (586)698-4457

### Supplier Authorization

The undersigned certifies that the proposal submitted meets or exceeds, all the specifications, that all conditions noted here are acknowledged, and the firm prices and terms are specified by the bidder are true and accurate.



Signature of Vendor  
Richard Cedroni, President

Print Name & Title

Cedroni Associates, Inc.

Legal Name of the Firm  
02/26/2013

Date







